# APPENDIX C CCTV Data Logs





Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

Project Name	: Lynn Wate	nn Water - Sewer Commission CCTV WE 10-12-18									
US MH	DS MH	DS MH Pipe ID Date Street Material Size Total Insp									
MH18896	MH18926	MH-18896_MH-18926	10/9/2018	Centre Street	Vitrified Clay Pipe	8	471	471			

Pipe Size: 8 Total Ln.: 471 Inspected Ln.: 471

Project Total Ln.: 471.0 Project Inspected Ln.: 471.0



Pipe Segme	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use	
MH-18896 <sub>-</sub>	_MH-18926	Lynn	n- Ma	Centre Street	Vitrified (	Clay Pipe	Light High	Sanitary	
Upstre	am MH	Total Length		Year Laid	Sha	ape	Location Details		
MH1	8896	47	71		Circular				
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint		
MH1	8926	47	71		8	8 8			
SPR	4	MPR	2	PO Number	PO Number		Customer		
SPRI	4	MPRI	2	-			Stantec		
SPRI	4	IVIPRI		Work Order		Purpose			
QSR	4100	QMR	2100			Ma	aintenance Related		
OI	PR	Survey	yed By	Direction	Da	ate	Medi	a label	
	5	Chris_M		Upstream	20181009		10-9-18		
OF	rRI	Certificate	e Number	Pre-Cleaning	Time		Weather		
3		10-08-7625		Heavy Cleaning	Heavy Cleaning 09:		Dry		
	Date Cleaned		End		End Time		nal Info		
	20181009				10	:26			





City	Street	Mat	erial	Location C	Sewer Use
Lynn- Ma	Centre Street	Vitrified	Clay Pipe	Light High	Sanitary
Total Length	Year Laid	Sh	ape	Location Details	
471		Circ	cular		
Length surveyed	Year Renewed	Height Width		Pipe Joint	
471		8	8		
MPR 2	PO Number			Customer	
MDDI				Stantec	
IVIPRI 2	Work Order		Purpose		
QMR 2100			M	aintenance Rela	ated
Surveyed By	Direction	Da	ate	Media	a label
Chris_M	Upstream	20181009		10-9-18	
Certificate Number	Pre-Cleaning	Time		Weather	
10-08-7625	Heavy Cleaning	09	09:41 Dry End Time Additional		
Date Cleaned		End			nal Info
20181009		10:26			
	Lynn- Ma  Total Length 471  Length surveyed 471  MPR 2  MPRI 2  QMR 2100  Surveyed By Chris_M  Certificate Number 10-08-7625 Date Cleaned	Lynn- Ma  Total Length 471  Length surveyed 471  MPR 2  MPR 2  MPR 2  QMR 2100  Surveyed By Chris_M Certificate Number 10-08-7625  Date Cleaned  Centre Street  Year Renewed  Po Number  Work Order  Upstream  Heavy Cleaning	Lynn- Ma         Centre Street         Vitrified of Street           Total Length         Year Laid         Sh           471         Circ           Length surveyed         Year Renewed         Height           471         8           MPR         2         PO Number           MPRI         2         Work Order           QMR         2100         Direction         Direction           Surveyed By         Upstream         2018           Certificate Number         Pre-Cleaning         Till           10-08-7625         Heavy Cleaning         09           Date Cleaned         End	Lynn- Ma         Centre Street         Vitrified Clay Pipe           Total Length         Year Laid         Shape           471         Circular           Length surveyed         Year Renewed         Height         Width           471         8         8           MPR         2         PO Number         Work Order           QMR         2100         Mi           Surveyed By         Direction         Date           Chris_M         Upstream         20181009           Certificate Number         Pre-Cleaning         Time           10-08-7625         Heavy Cleaning         09:41           Date Cleaned         End Time	Lynn- Ma         Centre Street         Vitrified Clay Pipe         Light High           Total Length         Year Laid         Shape         Location           471         Circular         Vidth         Pipe Joint           Length surveyed         Year Renewed         Height         Width         Pipe Joint           MPR         2         PO Number         Customer         Stantec           MPRI         2         Work Order         Purpose         Maintenance Rela           Surveyed By         Direction         Date         Media           Chris_M         Upstream         20181009         10-           Certificate Number         Pre-Cleaning         Time         Weather           10-08-7625         Heavy Cleaning         09:41         Dry           Date Cleaned         End Time         Addition





Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use	
MH-18896 <sub>-</sub>	_MH-18926	Lynr	n- Ma	Centre Street	Vitrified (	Clay Pipe	Light High	Sanitary	
Upstre	am MH	Total Length		Year Laid	Sha	ape	Location Details		
MH1	8896	47	71		Circ	Circular			
DS Ma	anhole	Length s	surveyed	Year Renewed	Height Width		Pipe Joint		
MH1	8926	47	71		8	8			
SPR	4	MPR	2	PO Number			Customer		
SPRI	4	MPRI	2				Stantec		
SPRI	4	IVIPRI		Work Order			Purpose		
QSR	4100	QMR	2100			Ma	aintenance Rela	ated	
OF	PR	Surve	yed By	Direction	Da	ate	Media	a label	
(	6	Chri	s_M	Upstream	2018	1009	10-9	9-18	
OF	PRI	Certificate	e Number	Pre-Cleaning	Time		Weather		
3	3		-7625	Heavy Cleaning	09	09:41			
		Date C	leaned		End	End Time Addition		nal Info	
	20181009				10:26				
-							•		





401-265-3221

Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use	
MH-18896_	_MH-18926	Lynr	n- Ma	Centre Street	Vitrified	Clay Pipe	Light High	Sanitary	
Upstre	am MH	Total I	Length	Year Laid	Sh	ape	Location	n Details	
MH18896		471			Circular				
DS Ma	anhole	Length s	surveyed	Year Renewed	Height Width		Pipe Joint		
MH1	8926	47	71		8 8				
SPR	4	MPR	2	PO Number	PO Number		Customer		
SPRI	4	MPRI	2	1			Stantec		
SPRI	4	IVIPRI		Work Order			Purpose		
QSR	4100	QMR	2100			Ma	aintenance Related		
OI	PR	Surveyed By		Direction	Date		Media label		
(	6	Chri	s_M	Upstream	20181009		10-9-18		
OF	PRI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather		
3	3	10-08-7625		Heavy Cleaning	09	09:41 Dry			
	•	Date C	leaned	End		End Time		nal Info	
20181009				10	:26				



MH18896

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Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Project Name	: City of Lyn	ty of Lynn Clean and CCTV WE 12-21-18									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH-18921	MH-18916	MH-18916_MH-18921	12/19/2018	Centre Street	Vitrified Clay Pipe	8	232	232			

Pipe Size: 8 Total Ln.: 232 Inspected Ln.: 232

Project Total Ln.: 232.0 Project Inspected Ln.: 232.0



# **Defect Listing**

401-943-5302
401-343-3302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use	
MH-18916_MH-18921	LYNN	Centre Street	Vitrified (	Clay Pipe	Local/Rura	Combined P.	
Upstream MH	Total Length	Year Constructed	Sha	ape	Locatio	n Details	
MH-18921	232		Circ	ular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-18916	232		8	8	13		
SPR	MPR	PO Number		Customer			
SPRI	MPRI	-			City of Lynn		
SFRI	IVIPRI	Work Order Numb	er		Purpose		
QSR	QMR			l N	laintenance Rela	ated	
OPR	Surveyed By	Direction	Da	ate	Medi	a label	
	W.Martinez	Upstream	2018	1219	12-	19-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather		
	U-213-17282	Heavy Cleaning	14:35				
	Date Cleaned		End	End Time Addition		onal Info	
	20181219		14	:50			

Distance	Condition	Cont. Dfct.		Values		Joint	Clock Po	osition	Grade
Distance	Condition	Cont. Dict.	1st	2nd	%	Joint	At/From	То	Grade
0.0 ft.	Access Point Manhole								
Remarks:	MH-18916								
0.0 ft.	Miscellaneous Water Level				5				
38.8 ft.	Roots Fine Joint					<b>V</b>	11		1
40.7 ft.	Roots Fine Joint					<b>V</b>	11		1
60.5 ft.	Tap Factory Made Capped		6		5		3		
66.9 ft.	Tap Break-in/Hammer		6		5		11		
80.8 ft.	Tap Factory Made Capped		6		5		9		
82.9 ft.	Tap Factory Made		6		5		3		
121.2 ft.	Tap Factory Made		6		5		9		
123.5 ft.	Tap Factory Made Capped		6		5		3		
143.9 ft.	Tap Factory Made Capped		6		5		3		
163.9 ft.	Tap Factory Made		6		5		9		
166.2 ft.	Tap Factory Made		6		5		9		
186.5 ft.	Tap Factory Made Capped		6		5		10		
192.2 ft.	Tap Factory Made		6		5		2		
232.0 ft.	Access Point Manhole				5				



Pipe Segment Refere...

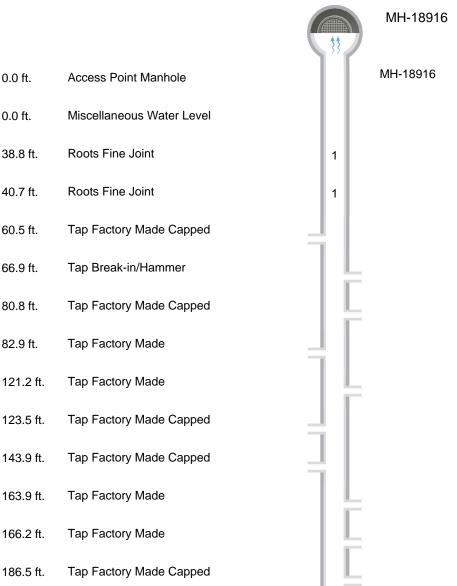
MH-18916\_MH-18921

Upstream MH

#### **Defect Listing Plot**

Defect Listing Plot	L	•	401-943-3302	
Street	Material	Location C	Pipe Use	
Centre Street	Vitrified Clay Pipe	Local/Rura	Combined P	
Year Constructed	Shape	Location	n Details	

MH-18921	232		Circ	ular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-18916	232		8	8	13		
SPR	MPR	PO Number			Customer		
SPRI	MPRI				City of Lynn		
SPRI	WPRI	Work Order Number	Work Order Number				
QSR	QMR		aintenance Related				
OPR	Surveyed By	Direction	Da	ite	Media labe		
	W.Martinez	Upstream	2018	1219	12-1	9-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather		
	U-213-17282	Heavy Cleaning	14:	35			
	Date Cleaned		End <sup>1</sup>	Time	Additio	nal Info	
	20181219		14:	50			



City

LYNN

Total Length



# **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use	
MH-18916_MH-18921	LYNN	Centre Street	Vitrified	Clay Pipe	Local/Rura	Combined P.	
Upstream MH	Total Length	Year Constructed	Sh	ape	Locatio	n Details	
MH-18921	232		Circular				
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-18916	232		8	8	13		
SPR	MPR	PO Number			Customer		
SPRI	MPRI	-			City of Lynn		
SFRI	WERI	Work Order Numb	er		Purpose		
QSR	QMR			M	aintenance Related		
OPR	Surveyed By	Direction	Da	ate	Medi	a label	
	W.Martinez	Upstream	2018	1219	12-	19-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather		
	U-213-17282	Heavy Cleaning	14	14:35			
	Date Cleaned			End Time		onal Info	
(		14	:50				

192.2 ft. Tap Factory Made

232.0 ft. Access Point Manhole

MH-18916

MH-18921



Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

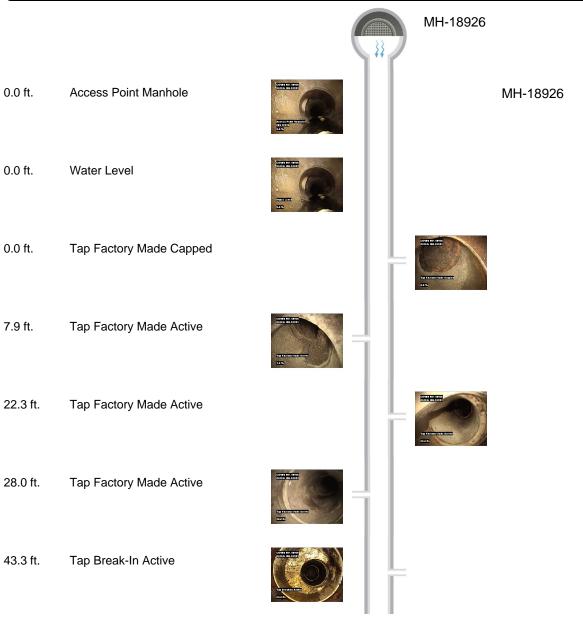
Project Name	: Lynn Wate	r - Sewer Commission C	CTV WE 10-1	2-18							
US MH	DS MH	H Pipe ID Date Street Material Size Total Insp									
MH-18926	MH-18931	MH-18926_MH-18931	10/12/2018	Centre Street	Vitrified Clay Pipe	12	0	69			

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 69

Project Total Ln.: 0.0 Project Inspected Ln.: 69.0

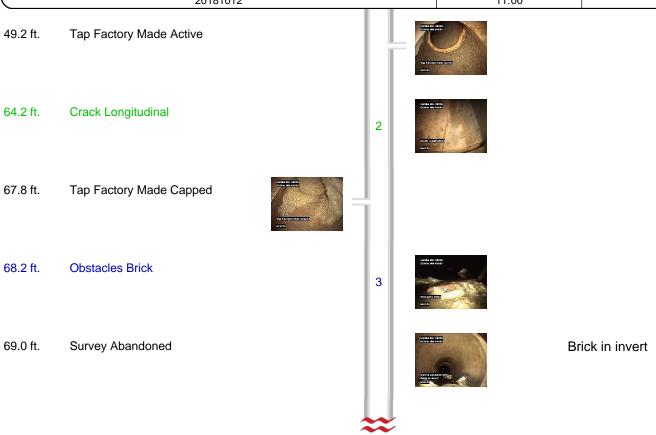


Pipe Segme	nt Refere	С	ity	Street	Ma	terial	Location C	Sewer Use	
MH-18926_	MH-18931	Lynr	n- Ma	Centre Street	Vitrified	Clay Pipe	Light High	Combined	
Upstrea	am MH	Total I	Length	Year Laid	Sh	ape	Locatio	n Details	
MH-1	8926				Circ	cular			
DS Ma	ınhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-1	8931	6	9		12	12			
SPR	2	MPR	3	PO Number			Customer		
SPRI	2	MPRI	3			Stantec			
SPRI	2	WPKI	ა 	Work Order			Purpose		
QSR	2100	QMR	3100			l N	laintenance Rela	ated	
OF	PR	Surve	yed By	Direction	D	ate	Medi	a label	
5	;	Chri	is_M	Downstream	2018	31012	10-1	12-18	
OP	RI	Certificate	e Number	Pre-Cleaning	Time		Weather		
2.	2.5 10-08-7625		Jetting	10	:46	Light Rain			
		Date C	Cleaned		End	Time	Additio	nal Info	
		2018	31012		11	:00			





Pipe Segm	nent Refere	C	ity	Street	Mate	erial	Location C	Sewer Use
MH-18926	S_MH-18931	Lynr	n- Ma	Centre Street	Vitrified C	Clay Pipe	Light High	Combined
Upstre	eam MH	Total	Length	Year Laid	Sha	ре	Location	Details
MH-	18926				Circ	ular		
DS M	lanhole	Length :	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-	18931	6	69		12	12		
SPR	2	MPR	3	PO Number			Customer	
SPRI	2	MPRI	3				Stantec	
				Work Order		Purpose		
QSR	2100	QMR	3100			M	aintenance Rela	ited
0	)PR	Surve	yed By	Direction	Da	te	Media	alabel
	5	Chri	is_M	Downstream	2018	1012	10-1	2-18
0	PRI	Certificat	e Number	Pre-Cleaning	Tin	ne	Weather	
2	2.5	10-08	3-7625	Jetting	10:	46	Light Rain	
	Date Cleaned		Cleaned		End <sup>-</sup>	Гime	Additio	nal Info
		2019	31012		11:	$\cap \cap$		



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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

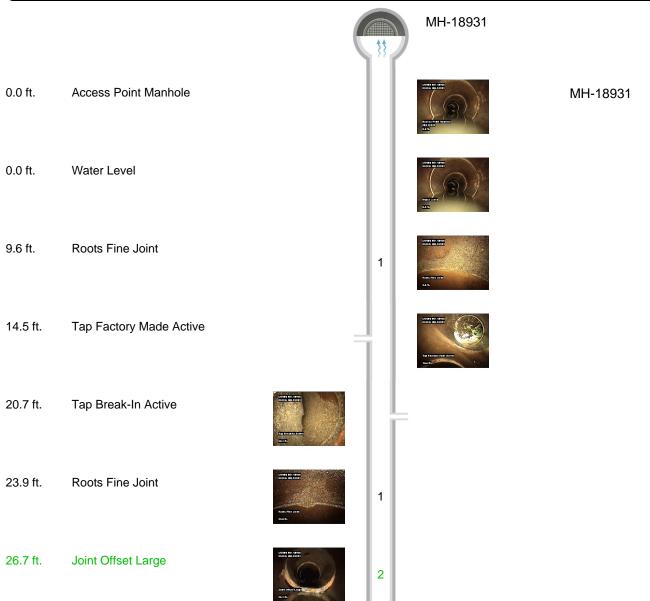
Project Name	: Lynn Wate	r - Sewer Commission C	CCTV WE 10-1	2-18				ct Name: Lynn Water - Sewer Commission CCTV WE 10-12-18										
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp										
MH-18926	MH-18931	MH-18931_MH-18926_ Rev	. 10/12/2018	Centre Street	Vitrified Clay Pipe	12	0	112										

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 112

Project Total Ln.: 0.0 Project Inspected Ln.: 112.0

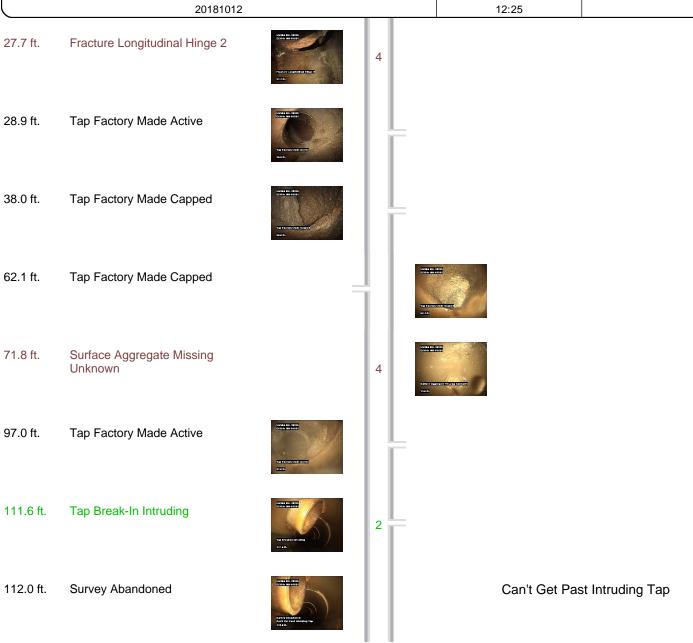


Pipe Segme	ent Refere	Ci	ity	Street	Ma	terial	Material Location C			
MH-18931_M	H-18926_R	Lynn	n- Ma	Centre Street	Vitrified	Clay Pipe	Light High	Combined		
Upstrea	am MH	Total I	Length	Year Laid	Shape		Locatio	n Details		
MH-1	8926				Circ	cular				
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint			
MH-1	8931	11	12		12	12				
SPR	10	MPR	4	PO Number						
SPRI	2.2	MPRI	1.3	1			Stantec			
SPRI	3.3	IVIPRI	1.3	Work Order			Purpose			
QSR	4221	QMR	2112			l N	aintenance Related			
OF	PR	Surve	yed By	Direction	D	ate	Medi	a label		
1-	4	Chri	s_M	Upstream	20181012		10-1	12-18		
OP	PRI	Certificate	e Number	Pre-Cleaning	Time		Weather			
2.	2.3 10-08-7625		Heavy Cleaning	12	:08	Light Rain				
	<u>'</u>	Date C	leaned		End	Time	Additio	nal Info		
		2018	1012		12	:25				





	/nn- Ma tal Length	Centre Street Year Laid	Vitrified (	<u>, , , , , , , , , , , , , , , , , , , </u>	Light High	Combined
То	tal Length	Year Laid	Sha			
			One	ape	Location	n Details
			Circ	ular		
Leng	th surveyed	Year Renewed	Height	Width	Pipe Joint	
	112		12	12		
MPR	4	PO Number			Customer	
MDDI	1.2	-			Stantec	
IVIFKI	1.3	Work Order		Purpose		
QMR	2112			M	aintenance Rela	ted
Su	rveyed By	Direction	Da	ite	Media	alabel
C	hris_M	Upstream	2018	1012	10-1	2-18
Certifi	cate Number	Pre-Cleaning	Tin	ne	Weather	
10	-08-7625	Heavy Cleaning	12:	08	Light Rain	
Dat	e Cleaned		End <sup>-</sup>	Time	Additio	nal Info
20181012			12:	25		
1	MPR MPRI 1 QMR Su CC Certifi 10 Date	MPR 4  MPRI 1.3  1 QMR 2112  Surveyed By Chris_M  Certificate Number 10-08-7625  Date Cleaned	112   PO Number	Length surveyed	Length surveyed	Length surveyed





Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18931_M	H-18926_R	Lynr	n- Ma	Centre Street	Vitrified (	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Sha	ape	Location	n Details
MH-1	8926				Circ	ular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8931	1	12		12	12		
SPR	10	MPR	4	PO Number			Customer	
SPRI	3.3	MPRI	1.3	-			Stantec	
SPRI	3.3	IVIPRI	1.3	Work Order			Purpose	
QSR	4221	QMR	2112			Ma	aintenance Rela	ated
OI	PR	Surve	yed By	Direction	Da	ate	Media	a label
1	4	Chri	is_M	Upstream	2018	1012	10-1	2-18
OF	PRI	Certificat	e Number	Pre-Cleaning	Tir	me	e Weather	
2	2.3 10-08-7625		Heavy Cleaning	12	:08	Light Rain		
	Date Cleaned			•	End	Time	Additio	nal Info
	20181012				12	:25		





Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

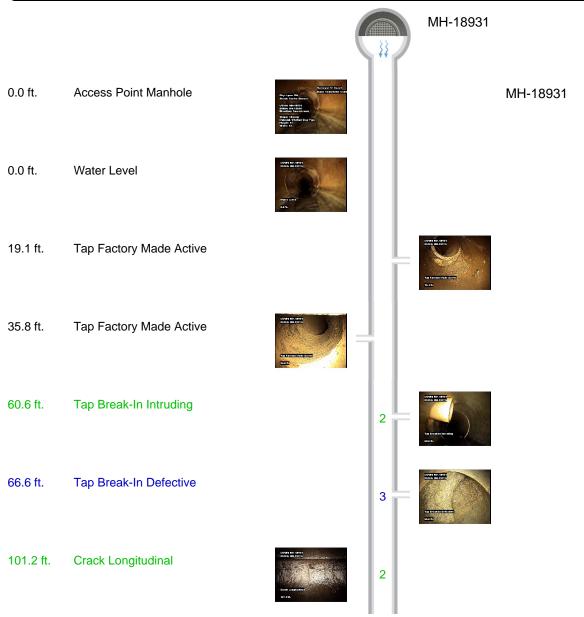
Project Name	: Lynn Wate	r - Sewer Commission C	CTV WE 10-2	26-18							
US MH	DS MH	Pipe ID Date Street Material Size Total Insp									
MH-18931	MH-18916	MH-18931_MH-18916	10/25/2018	Centre Streeet	Vitrified Clay Pipe	12	264	264			

Pipe Size: 12 Total Ln.: 264 Inspected Ln.: 264

Project Total Ln.: 264.0 Project Inspected Ln.: 264.0



Pipe Segme	ent Refere	Ci	ity	Street	Ma	terial	Location C	Sewer Use
MH-18931_	MH-18916	Lynn	ı- MA	Centre Streeet	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total I	_ength	Year Laid	Sh	ape	Locatio	n Details
MH-1	8931	26	64		Circ	cular		
DS Ma	nhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8916	26	64		12	12		
SPR	35	MPR	17	PO Number			Customer	
SPRI	2.5	MPRI	2.1	1		Stantec		
SPRI	2.5	IVIPRI	2.1	Work Order			Purpose	
QSR	4233	QMR	3127			l N	laintenance Rela	ated
OF	PR	Surve	yed By	Direction	D	ate	Medi	a label
5	2	M_Da	avert	Downstream	2018	31025	10-2	25-18
OP	'RI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather	
2.	2.4 07003881		Heavy Cleaning	13	:08	Dry		
	-	Date C	leaned	•	End	Time	Additio	nal Info
		2018	1025		13	:32		





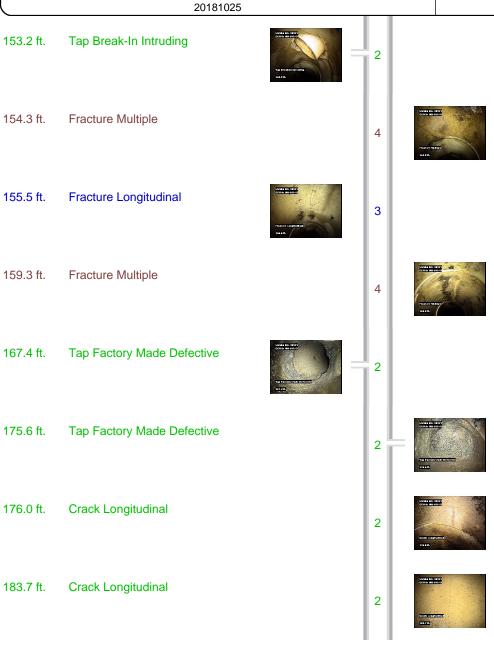
# Defect Listing Plot with Images Street

401-265-3221

									T	<del></del>				
	gment Refere 31_MH-18916	Ci Lynn	ity NAA		reet Streee			erial	Location Details  /idth Pipe Joint					
	stream MH	Total l			r Laid		Vitrified (	ape						
	H-18931	26					Circ		20040.	. Dotallo				
	6 Manhole		surveyed	Year R	enewed		Height	Width	Pipe Joint					
М	H-18916	26	64				12	12						
SPR	35	MPR	17		PO N	umber			Customer					
SPRI	2.5	MPRI	2.1											
					Work	Order								
QSR	4233	QMR	3127											
	OPR 52	Survey M_Da			ection stream		Da 2018							
	OPRI OPRI		e Number		leaning		Z016 Tir			.5-16				
	2.4	0700		Heavy (		a		:08						
	Date Cleaned			1.104.7	J. Gar	9		Time						
		2018						32						
									l					
105.4 ft.	Crook Longitus	dinal				USMB NH. 223 0EMH 1864169								
105.4 11.	Crack Longitud	ımaı												
					2									
						Creek Lengths	Table 1							
					1 1		Control Management Control							
106.9 ft.	Crack Longitud	dinal			1 1	DEMHI 1864 169	L. Herry							
	ŭ				2									
					1 1	Greek Longitud	T-u1							
					1 1	toan.								
					1 1									
109.6 ft.	Crack Longitud	dinal	DEMIN NO.	19991	1 1									
	J				2									
			Greek Lea	<del>and</del> 🐧	1 1									
			telsh.											
					11									
118.4 ft.	Tap Factory M	ade Active			1 1	DEMIN NIN 127 DEMIN NIN 100								
	. ,				1 6									
						Top Pastery I/a	To Saller							
						112.411.	24 - 24							
			P. of Cons. Print.											
129.4 ft.	Crack Longitud	dinal	USAN SIN		1 1									
					2									
			Guest Lea	Testing .	1 1									
			120-410,	The second second										
147.1 ft.	Crack Longitud	dinal			1 1	DEMINISTRATION								
					2									
						Gunt tragitue	Total							
						102.1 11.								
148.5 ft.	Tap Break-In I	ntruding				DEMIN NO 100								
		9			2									
						Top Breaking to	Prefing							
						162 5 11.								
			The state of the s											
153.2 ft.	Crack Longitud	dinal	USAN BIN											
				11	2									
			Greek Lee											
			182311.											

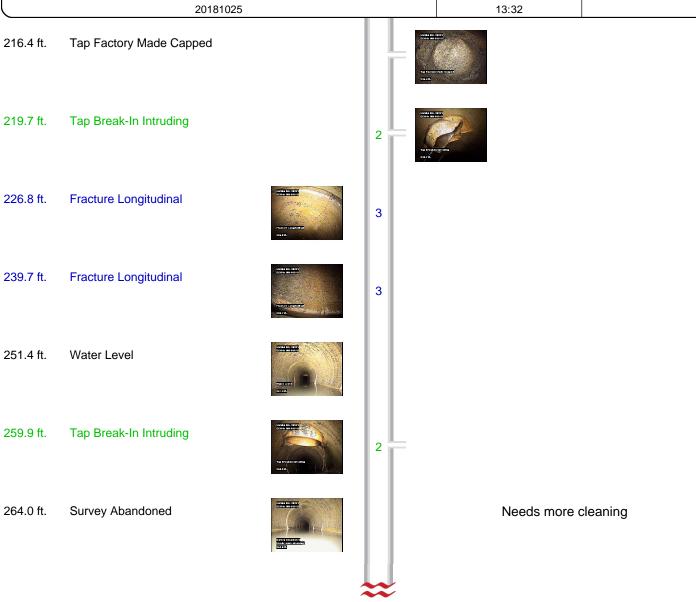


Pipe Segme	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use	
MH-18931_	_MH-18916	Lynn	- MA	Centre Streeet	Vitrified	Clay Pipe	Light High	Combined	
Upstrea	am MH	Total I	_ength	Year Laid	Sh	ape	Locatio	n Details	
MH-1	8931	26	64		Circ	cular			
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-1	8916	26	64		12	12		<u> </u>	
SPR	35	MPR	17	PO Number			Customer	Customer	
SPRI	2.5	MPRI	2.1	1			Stantec		
SFRI	2.5	IVIFKI	2.1	Work Order			Purpose		
QSR	4233	QMR	3127			Ma	intenance Related		
OF	PR	Surve	yed By	Direction	Da	ate	Medi	a label	
5	2	M_Da	avert	Downstream	2018	1025	10-2	25-18	
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	ime Weather			
2.	2.4 07003881		Heavy Cleaning	13	:08	Dry			
		Date C	leaned		End	Time	Additio	nal Info	
		2018	1025		13	:32			





ent Refere City MH-18916 Lynn- MA		Street	Mat	erial	Location C	Sewer Use
Lynn	ı- MA	Centre Streeet	Vitrified (	Clay Pipe	Light High	Combined
Total I	Length	Year Laid	Sha	ape	Location	Details
26	64		Circ	ular		
Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
26	64		12	12		
MPR	17	PO Number			Customer	
MDDI	2.1				Stantec	
IVIPRI	2.1	Work Order			Purpose	
QMR	3127			М	aintenance Rela	ted
Survey	yed By	Direction	Da	ate	Media	label
M_Da	avert	Downstream	2018	1025	10-2	5-18
Certificate	e Number	Pre-Cleaning	Tir	me	Weather	
0700	3881	Heavy Cleaning	13:	:08	Dry	
Date C	leaned		End	Time	Addition	nal Info
2018	1025		13:	:32		
	Lynr Total I 20 Length s 20 MPR MPRI QMR Surve M_D Certificate 0700 Date C	Lynn- MA Total Length 264 Length surveyed 264 MPR 17 MPRI 2.1	Lynn- MA         Centre Streeet           Total Length         Year Laid           264         Year Renewed           Length surveyed         Year Renewed           264         PO Number           MPR         17         Work Order           QMR         3127         Work Order           Surveyed By         Direction         Downstream           Certificate Number         Pre-Cleaning           07003881         Heavy Cleaning           Date Cleaned         Downstream	Lynn- MA         Centre Streeet         Vitrified of Shire           264         Year Laid         Shire           Length surveyed         Year Renewed         Height           264         12           MPR         17         PO Number           MPRI         2.1         Work Order           QMR         3127         Surveyed By         Direction         Downstream           M_Davert         Downstream         2018           Certificate Number         Pre-Cleaning         Tire           07003881         Heavy Cleaning         13           Date Cleaned         End	Lynn- MA         Centre Streeet         Vitrified Clay Pipe           Total Length         Year Laid         Shape           264         Circular           Length surveyed         Year Renewed         Height         Width           264         12         12           MPR         17         PO Number         Mork Order           QMR         3127         Work Order         M           Surveyed By         Direction         Date           M_Davert         Downstream         20181025           Certificate Number         Pre-Cleaning         Time           07003881         Heavy Cleaning         13:08           Date Cleaned         End Time	Lynn- MA         Centre Streeet         Vitrified Clay Pipe         Light High           Total Length         Year Laid         Shape         Location           264         Circular         Length surveyed         Year Renewed         Height         Width         Pipe Joint           MPR         17         PO Number         Customer         Stantec           MPRI         2.1         Work Order         Purpose           QMR         3127         Maintenance Rela           Surveyed By         Direction         Date         Media           M_Davert         Downstream         20181025         10-2           Certificate Number         Pre-Cleaning         Time         Weather           07003881         Heavy Cleaning         13:08         Dry           Date Cleaned         End Time         Addition



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Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Project Name	: City of Lyn	ity of Lynn Clean and CCTV WE 12-21-18									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH-18906	MH-18841	MH-18841_MH18906	12/19/2018	Federal Street	PolyVinyl Chloride	12	74	74			

Pipe Size: 12 Total Ln.: 74 Inspected Ln.: 74

Project Total Ln.: 74.0 Project Inspected Ln.: 74.0

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



# **Defect Listing**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use	
MH-18841_MH18906	LYNN	Federal Street	PolyViny	l Chloride	Local/Rura	Combined P.	
Upstream MH	Total Length	Year Constructed	Sh	ape	Locatio	n Details	
MH-18906	74		Circ	ular			
Downsstream MH	Length surveyed	Year Renewed	Height Width		Pipe Joint		
MH-18841	74		12	12	13		
SPR	MPR	PO Number					
SPRI	MPRI			City of Lynn			
SFRI	WIFKI	Work Order Number	er		Purpose		
QSR	QMR			М	aintenance Related		
OPR	Surveyed By	Direction	Da	ate	Medi	a label	
	W.Martinez	Downstream	2018	1219	12-	19-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather		
	U-213-17282		09	09:57			
	Date Cleaned		End Time		Additional Info		
			10	:05			

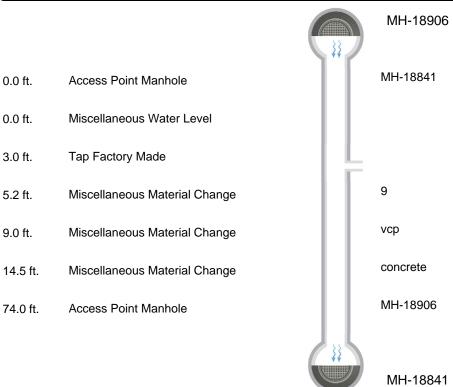
Dietores	Condition	Cont. Dfct.		Values		Joint	Clock Po	osition	Crada
Distance	Condition	Cont. Dict.	1st	2nd	%	Joint	At/From	То	Grade
0.0 ft.	Access Point Manhole								
Remarks:	MH-18841								
0.0 ft.	Miscellaneous Water Level				0				
3.0 ft.	Tap Factory Made		6		5		10		
5.2 ft.	Miscellaneous Material Change				5				
Remarks:	9								
9.0 ft.	Miscellaneous Material Change				5				
Remarks:	vcp								
14.5 ft.	Miscellaneous Material Change				5				
Remarks:	arks: concrete								
74.0 ft.	Access Point Manhole				5				
Remarks:	MH-18906								



# **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	iviati	enai	Location C	Pipe Use	
MH-18841_MH18906	LYNN	Federal Street	PolyVinyl	Chloride	Local/Rura	Combined P	
Upstream MH	Total Length	Year Constructed	Sha	ape	Locatio	n Details	
MH-18906	74		Circ	ular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-18841	74		12	12	13		
SPR	MPR	PO Number			Customer		
SPRI	MPRI				City of Lynn		
3FIXI	IVIF IXI	Work Order Numb	oer		Purpose		
QSR	QMR			N	aintenance Related		
OPR	Surveyed By	Direction	Da	ite	Medi	a label	
	W.Martinez	Downstream	2018	1219	12-	19-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather		
	U-213-17282	No Pre-Cleaning	09:57		Dry - No P		
	Date Cleaned		End	Time	Additio	onal Info	
			10:	05			



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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

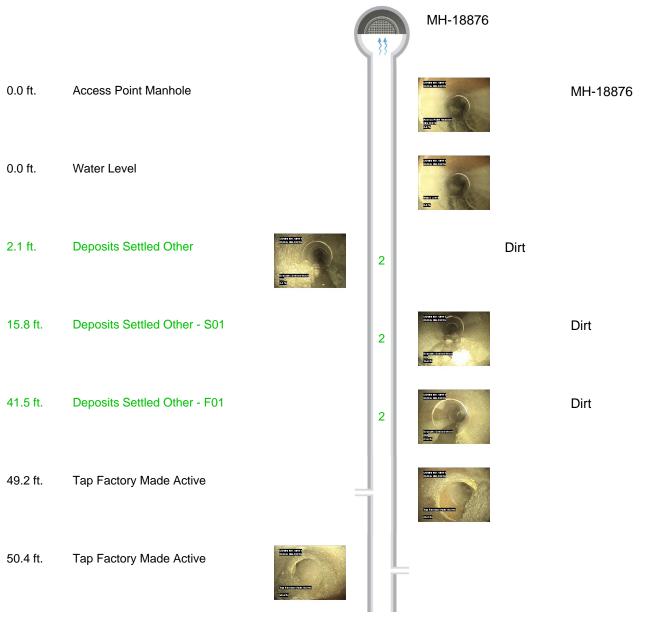
Project Name	Project Name: Lynn Water - Sewer Commission CCTV WE 10-12-18										
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH-18911	MH-18876	MH-18876_MH-18911	10/9/2018	Federal Street	Vitrified Clay Pipe	8	248	248			

Pipe Size: 8 Total Ln.: 248 Inspected Ln.: 248

Project Total Ln.: 248.0 Project Inspected Ln.: 248.0



Pipe Segme	ent Refere	Ci	ty	Street	Mat	erial	Location C	Sewer Use
MH-18876_	_MH-18911	Lynn	ı- Ma	Federal Street	Vitrified Clay Pipe		Light High	Sanitary
Upstrea	am MH	Total I	_ength	Year Laid	Sh	ape	Locatio	n Details
MH-1	8911	24	18		Circ	ular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8876	248			8	8		
SPR	8	MPR	12	PO Number			Customer	
SPRI	2.7	MPRI	2	1			Stantec	
SPRI	2.1	IVIPRI	2	Work Order			Purpose	
QSR	5121	QMR	2600			M	aintenance Rela	ated
OF	PR	Surve	ed By	Direction	Da	ate	Medi	a label
2	0	Chri	s_M	Upstream	2018	1009	10-	9-18
OF	rRI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather	
2.	2.2		-7625	Jetting	13	13:33		
		Date C	leaned		End	Time	Additio	nal Info
		2018	1009		13	:51		



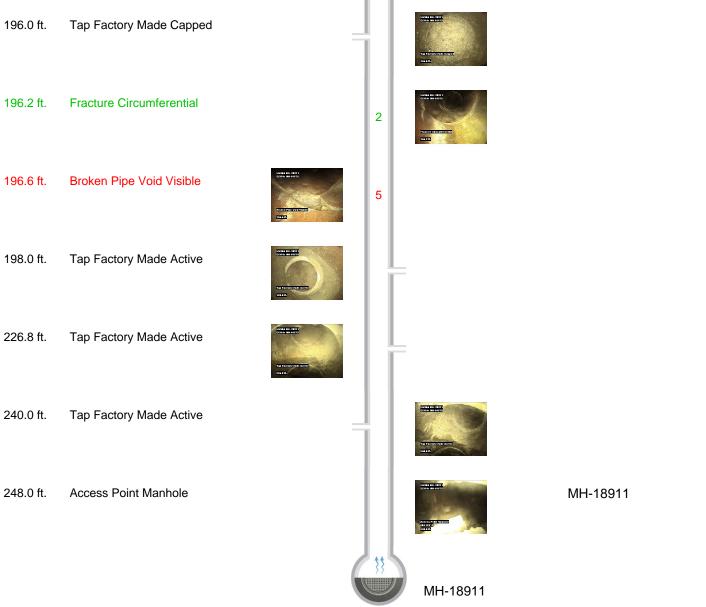


Pipe Segme	nt Refere	Ci	ty	Street	Mat	erial	Location C	Sewer Use
MH-18876_	MH-18911	Lynn	ı- Ma	Federal Street	Vitrified Clay Pipe		Light High	Sanitary
Upstrea	ım MH	Total I	_ength	Year Laid	Sh	ape	Locatio	n Details
MH-1	8911	24	18		Circ	cular		
DS Ma	nhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8876	248			8	8		
SPR	8	MPR	12	PO Number			Customer	
SPRI	2.7	MPRI	2	1			Stantec	
SPRI	2.1	IVIPRI	2	Work Order			Purpose	
QSR	5121	QMR	2600			M	aintenance Rela	ated
OP	'R	Surve	ed By	Direction	Da	ate	Medi	a label
20	)	Chri	s_M	Upstream	2018	31009	10-	9-18
OP	RI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather	
2.	2.2		-7625	Jetting	13	13:33		
	•	Date C	leaned		End	Time	Additio	nal Info
		2018	1009		13	:51		





Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18876	_MH-18911	Lynr	n- Ma	Federal Street	Vitrified (	Clay Pipe	Light High	Sanitary
Upstre	eam MH	Total Length		Year Laid	Sha	ape	Locatio	n Details
MH-	18911	24	48		Circular			
DS M	lanhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-	18876	248			8	8		
SPR	8	MPR	12	PO Number			Customer Stantec Purpose	
SPRI	2.7	MPRI	2					
SPRI	2.1	IVIPRI		Work Order				
QSR	5121	QMR	2600			Ma	aintenance Rela	ated
C	PR	Surve	yed By	Direction	Da	ate	Media	a label
:	20	Chri	s_M	Upstream	2018	1009	10-	9-18
0	PRI	Certificate	e Number	Pre-Cleaning	Tir	me	Weather	
2	2.2		-7625	Jetting	13	:33	Dry	
		Date C	leaned	•	End	Time	Additio	nal Info
		2018	1009		13	:51		





Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

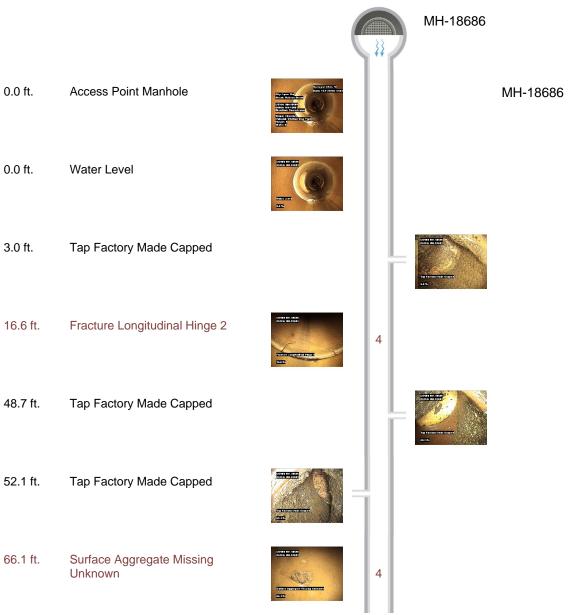
Pro	oject Name	me: Lynn Water - Sewer Commission CCTV WE 10-12-18										
	US MH DS MH Pipe ID		Date	Street	Material	Size	Total	Insp				
М	1H-18686	MH-18681	MH-18686_MH-18681	10/11/2018	Hobson Street	Vitrified Clay Pipe	8	180	180			

Pipe Size: 8 Total Ln.: 180 Inspected Ln.: 180

Project Total Ln.: 180.0 Project Inspected Ln.: 180.0



Pipe Segme	nt Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use	
MH-18686_	MH-18681	Lynn	ı- Ma	Hobson Street	Vitrified	Clay Pipe	Light High	Combined	
Upstrea	am MH	Total Length		Year Laid	Sh	ape	Location	n Details	
MH-1	8686	18	30		Circular				
DS Ma	nhole	Length s	surveyed	Year Renewed	Height Width		Pipe Joint		
MH-1	8681	18	30		8	8			
SPR	19	MPR	N/A	PO Number			Customer	mer	
SPRI	3.8	MPRI	N/A	1			Stantec		
SPRI	3.0	IVIPRI	IN/A	Work Order			Purpose		
QSR	5143	QMR	N/A			Ma	aintenance Rela	Related	
OF	PR	Survey	ed By	Direction	Da	ate	Media	a label	
1	9	Chri	s_M	Downstream	2018	81011 10-1		1-18	
OF	'RI	Certificate	e Number	Pre-Cleaning	Tir	me	Weather		
3.	3.8		-7625	Jetting	10	10:58			
		Date C	leaned		End	d Time Additional Info		nal Info	
		2018	1011		11	:19			





Pipe Segment Refe	ere	Ci	ity	Street	Mate	erial	Location C	Sewer Use
MH-18686_MH-1	8681	Lynn	ı- Ma	Hobson Street	Vitrified (	Clay Pipe	Light High	Combined
Upstream MH		Total L	ength	Year Laid	Sha	ape	Location	Details
MH-18686		18	30		Circ	ular		
DS Manhole		Length s	surveyed	Year Renewed	Height Width		Pipe Joint	
MH-18681	MH-18681 180		30		8	8		
SPR	19 MPR N/A P		PO Number			Customer		
SPRI	3.8	MPRI	N/A		Stant			
				Work Order		Purpose		
QSR 5	5143	QMR	N/A			M	aintenance Rela	ted
OPR		Survey	ed By	Direction	Date		Media	ı label
19		Chri	s_M	Downstream	2018	20181011		1-18
OPRI		Certificate	e Number	Pre-Cleaning	Tir	ne	Weather	
3.8		10-08	-7625	Jetting	10:	:58	Damp	
		Date C	leaned		End	Time	Additio	nal Info
		2018	1011		11:	19		





401-265-3221

/ Pipe Segm	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
MH-18686	_MH-18681	Lynn	n- Ma	Hobson Street	Vitrified (	Clay Pipe	Light High	Combined
Upstre	am MH	Total L	_ength	Year Laid	Sha	ape	Locatio	n Details
MH-	18686	18	30		Circ	cular		
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-	18681	18	30		8	8		
SPR	19	MPR	N/A	PO Number	mber		Customer	
SPRI	2.0	MPRI	N/A	-			Stantec	
SPRI	3.8	IVIPRI	IN/A	Work Order			Purpose	
QSR	5143	QMR	N/A			Ma	Maintenance Related	
0	PR	Survey	yed By	Direction	Da	ate	Medi	a label
1	9	Chris	s_M	Downstream	20181011		10-11-18	
OI	PRI	Certificate	e Number	mber Pre-Cleaning Time		me	Weather	
3	3.8 10-08-7625		Jetting	10:58		Damp		
	Date Cleaned			End	Time	Additio	nal Info	
	20181011				11	:19		_

4



180.0 ft. Access Point Manhole



MH-18681

MH-18681



Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

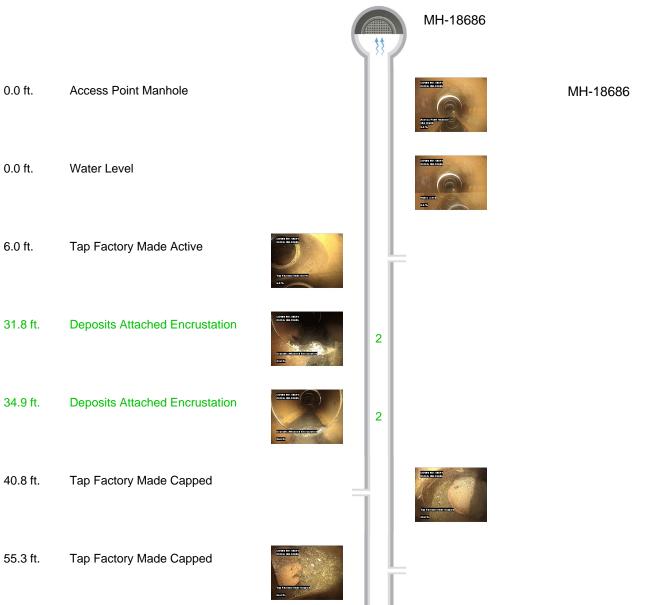
Project Name	E: Lynn Water - Sewer Commission CCTV WE 10-12-18									
US MH	DS MH	Pipe ID	Date Street Material Size Total							
MH-18691	MH-18686	MH-18686_MH-18691	10/11/2018	Hobson Street	Vitrified Clay Pipe	8	162	60		

Pipe Size: 8 Total Ln.: 162 Inspected Ln.: 60

Project Total Ln.: 162.0 Project Inspected Ln.: 60.0



Pipe Segme	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
MH-18686 <sub>-</sub>	_MH-18691	Lynn	ı- Ma	Hobson Street	Vitrified (	Clay Pipe	Light High	Combined
Upstre	am MH	Total L	_ength	Year Laid	Shape		Location	n Details
MH-1	8691	16	62		Circ	Circular		
DS Ma	anhole	Length s	urveyed	Year Renewed	newed Height Width		Pipe Joint	
MH-1	8686	6	0		8	8		
SPR	N/A	MPR	4	PO Number				
SPRI	N/A	MPRI	2				Stantec	
SPRI	IN/A	IVIPRI		Work Order			Purpose	
QSR	N/A	QMR	2200			M	Maintenance Related	
OI	PR	Survey	ed By	Direction	Da	ate	Media	a label
4	1	Chri	s_M	Upstream	2018	1011	10-1	1-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	Time Weathe		
2	2 10-08-7625		Jetting	08:24		Light Rain		
	Date Cleaned				End	Time	Additional Info	
	20181011				08	:30		





401-265-3221

Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18686	_MH-18691	Lynr	n- Ma	Hobson Street	Vitrified	Clay Pipe	Light High	Combined
Upstre	eam MH	Total	Length	Year Laid	Sh	ape	Location	Details
MH-	18691	10	62		Circ	cular		
DS M	lanhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-	18686	6	0		8	8		
SPR	N/A	MPR	4	PO Number			Customer	
SPRI	N/A	MPRI	2	1			Stantec	
SPRI	IN/A	IVIPRI		Work Order			Purpose	
QSR	N/A	QMR	2200			M	aintenance Rela	ited
C	PR	Surve	yed By	Direction	D	ate	Media	alabel
	4	Chri	is_M	Upstream	2018	31011	10-1	1-18
0	PRI	Certificat	e Number	Pre-Cleaning	Ti	Time Weather		
	2	10-08	3-7625	Jetting	08:24 Light Rain			
	Date Cleaned			End	Time	Additio	nal Info	
	20181011		31011		08	:30		

60.0 ft. Survey Abandoned





Can't get around pipe bend. No Reversal. MH Buried

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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

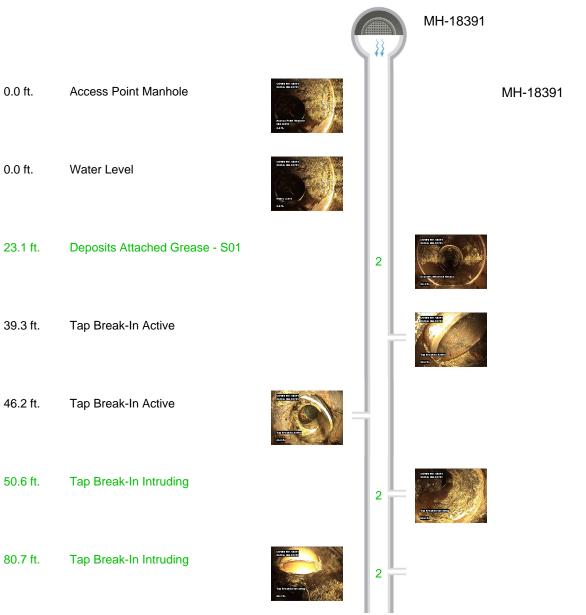
Project Name	: Lynn Wate	Lynn Water - Sewer Commission CCTV WE 10-12-18									
US MH	DS MH	H Pipe ID Date Street Material Size Total Insp									
MH-18391	MH-18791	MH-18391_MH-18791	10/11/2018	Lowel Street	Vitrified Clay Pipe	12	150	150			

Pipe Size: 12 Total Ln.: 150 Inspected Ln.: 150

Project Total Ln.: 150.0 Project Inspected Ln.: 150.0

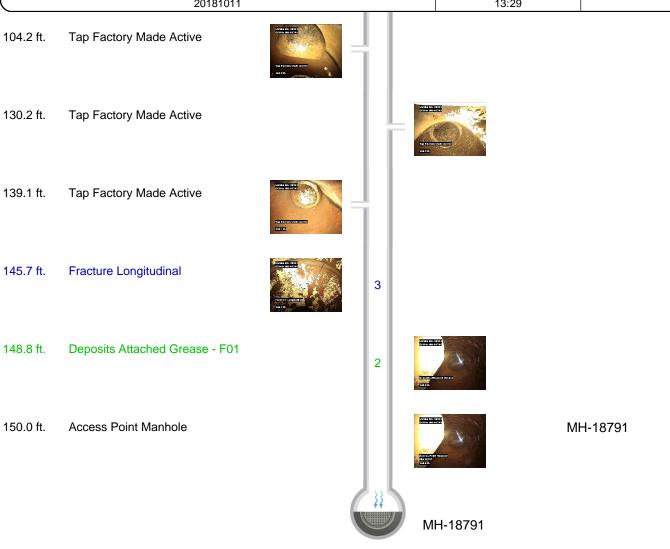


Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18391	_MH-18791	Lynr	n- Ma	Lowel Street	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Sh	ape	Location	n Details
MH-	8391	15	50		Circ	cular		
DS M	anhole	Length s	surveyed	Year Renewed Height Width		Pipe Joint		
MH-	8791	15	50		12	12		
SPR	3	MPR	54	PO Number		Customer		
SPRI	2	MPRI	2				Stantec	
SPRI	3	IVIPRI	2	Work Order			Purpose	
QSR	3100	QMR	2D00			M	aintenance Rela	ated
0	PR	Surve	yed By	Direction	Da	ate	Media	a label
5	57	Chri	is_M	Downstream	2018	31011	10-1	1-18
OI	PRI	Certificat	e Number	Pre-Cleaning	Tir	Time Weather		
	2	10-08-7625		Jetting	13	:19	Damp	
	Date Cleaned			End	Time	Additional Info		
	20181011			13	:29			





Pipe Segm	ent Refere	C	ity	Street	Mat	erial	Location C	Sewer Use	
MH-18391	_MH-18791	Lynr	n- Ma	Lowel Street	Vitrified	Clay Pipe	Light High	Combined	
Upstre	am MH	Total I	_ength	Year Laid	Sh	ape	Location	n Details	
MH-1	18391	15	50		Circ	ular	ular		
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-1	18791	15	50		12	12	12		
SPR	3	MPR	54	PO Number		Customer			
SPRI	3	MPRI	2		Stantec				
		IVII IXI		Work Order			Purpose		
QSR	3100	QMR	2D00			M	aintenance Rela	ated	
0	PR	Surve	yed By	Direction	Da	ate	Media	a label	
5	57	Chri	s_M	Downstream	2018	31011	10-1	1-18	
OI	PRI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather		
:	2	10-08	-7625	Jetting	13:19		Damp		
	Date Cleaned			End	Time	Additio	nal Info		
		2018	1011		13	:29			
					1				



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Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Project Name	: City of Lyn	City of Lynn Clean and CCTV WE 12-21-18									
US MH	DS MH	H Pipe ID Date Street Material Size Total Insp									
MH-18781	MH-18746	MH-18746_MH-18781 REV	12/20/2018	Lowell Street	Vitrified Clay Pipe	12	0	18			

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 18

Project Total Ln.: 0.0 Project Inspected Ln.: 18.0

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



# **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18746_MH-18781 R	LYNN	Lowell Street	Vitrified	Clay Pipe	Local/Rura	Combined P.
Upstream MH	Total Length	Year Constructed	Sh	ape	Locatio	n Details
MH-18781			Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18746	18		12	12	3	
SPR	MPR	PO Number		Customer		
CDDI	MDDI	1	City of L			I
SPRI	MPRI	Work Order Numb	er		Purpose	
QSR	QMR			М	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1220	12-2	20-18
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather	
	U-213-17282		11:14		Dry - No P	
	Date Cleaned	•	End	Time	Additional Info	
l	20181220		11	:17		

0.0 ft. Access Point Manhole
0.0 ft. Miscellaneous Water Level
16.2 ft. Tap Factory Made
18.0 ft. Miscellaneous Survey Abandoned

MH-18781

MH-18781

obstruction

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



# **Defect Listing**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18746_MH-18781 R	LYNN	Lowell Street	Vitrified	Clay Pipe	Local/Rura	Combined P
Upstream MH	Total Length	Year Constructed	Sh	ape	Locatio	n Details
MH-18781			Circ	ılar		
Downsstream MH	Length surveyed	Year Renewed	Height Width		Pipe Joint	
MH-18746	18		12	12	3	
SPR	MPR	PO Number		Customer		
SPRI	MPRI		City of Lov			
SFRI	MFKI	Work Order Number	er		Purpose	
QSR	QMR			М	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1220	12-2	20-18
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather	
	U-213-17282 Light Cleaning		11	:14	Dry - No P	
	Date Cleaned	•	End	Time	Additional Info	
	20181220		11	:17		

Distance	Condition	Cont. Dfct.		Values		Joint	Clock P	osition	Grade
Distance	Condition	Cont. Dict.	1st	2nd	%	Joint	At/From	То	Grade
0.0 ft.	Access Point Manhole								
Remarks:	Remarks: MH-18781								
0.0 ft.	Miscellaneous Water Level				25				
16.2 ft.	Tap Factory Made		6		5		2		
18.0 ft.	Miscellaneous Survey Abandoned				5				
Remarks:	Remarks: obstruction								

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Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Project Name	: City of Lyn	City of Lynn Clean and CCTV WE 12-21-18								
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp		
MH-18786	MH-18781	MH-18786_MH-18781	12/20/2018	Lowell Street	Vitrified Clay Pipe	12	200	200		

Pipe Size: 12 Total Ln.: 200 Inspected Ln.: 200

Project Inspected Ln.: 200.0 Project Total Ln.: 200.0

Pipe Joint...



Pipe Segment Refere...

MH-18786\_MH-18781

Upstream MH

MH-18786

Downsstream MH

#### **Defect Listing Plot**

Year Renewed

Defect Listing Flo	L	•	401-943-3302	
Street	Material	Location C	Pipe Use	
Lowell Street	Vitrified Clay Pipe	Local/Rura	Combined P	
Year Constructed	Shape	Location	n Details	
	Circular			

Height

Width

MH-18781	200		12	12	3		
SPR	MPR	PO Number		Customer			
SPRI	MPRI				City of Lynn		
31 KI	WILKI	Work Order Number		Purpose			
QSR	QMR		Maintenance Related				
OPR	Surveyed By	Direction	Date		Media label		
	W.Martinez	Downstream	2018	1220	12-20-18		
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather		
	U-213-17282	Heavy Cleaning	08:38		Dry - No P		
	Date Cleaned				Additio	nal Info	
	20181220		09	:08			



City

LYNN

Total Length

200

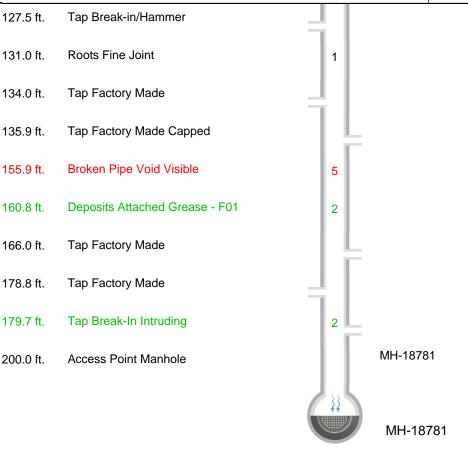
Length surveyed



### **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18786_MH-18781	LYNN	Lowell Street	Vitrified	Clay Pipe	Local/Rura	Combined P.
Upstream MH	Total Length	Year Constructed	Sh	ape	oe Location Deta	
MH-18786	200		Circular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18781	200		12	12	3	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	1	Work Order Number		City of Lynn	
SPRI	MPRI	Work Order Numbe			Purpose	
QSR	QMR			Ma	aintenance Rel	ated
OPR	Surveyed By	Direction	Da	ate	Med	a label
	W.Martinez	Downstream	2018	1220	12-	20-18
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather	
	U-213-17282	Heavy Cleaning	08:38		Dry - No P	
	Date Cleaned				Additional Info	
	20181220		09	:08		



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Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Proje	ect Name:	: City of Lyn	City of Lynn Clean and CCTV WE 12-21-18									
US	SMH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH-	-18791	MH-18746	MH-18791_MH-18746	12/20/2018	Lowell Street	Vitrified Clay Pipe	12	0	11			

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 11

Project Total Ln.: 0.0 Project Inspected Ln.: 11.0

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



# Defect Listing Plot

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use	
MH-18791_MH-18746	LYNN	Lowell Street	Vitrified	Clay Pipe	Local/Rura	Combined P.	
Upstream MH	Total Length	Year Constructed	Sh	ape	Location Details		
MH-18791			Circular				
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-18746	11		12	12	3		
SPR	MPR	PO Number		Customer			
SPRI	MPRI	-	City of Lowel			l	
SPRI	WPRI	Work Order Number	er		Purpose		
QSR	QMR			М	aintenance Rela	ntenance Related	
OPR	Surveyed By	Direction	Da	ate	Medi	a label	
	W.Martinez	Downstream	2018	1220	12-2	20-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather		
	U-213-17282	Heavy Cleaning	09:50		Dry - No P		
	Date Cleaned	•	End Time		Additional Info		
	20181220		09	:52			

2

0.0 ft. Access Point Manhole
0.0 ft. Miscellaneous Water Level
11.0 ft. Tap Break-In Intruding
11.0 ft. Miscellaneous Survey Abandoned

MH-18791

MH-18791

cannot get by intruding tap



Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Project Name	: City of Lyn	City of Lynn Clean and CCTV WE 12-21-18									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH-18791	MH-18786	MH-18791_MH-18786	12/20/2018	Lowell Street	Vitrified Clay Pipe	12	200	200			

Pipe Size: 12 Total Ln.: 200 Inspected Ln.: 200

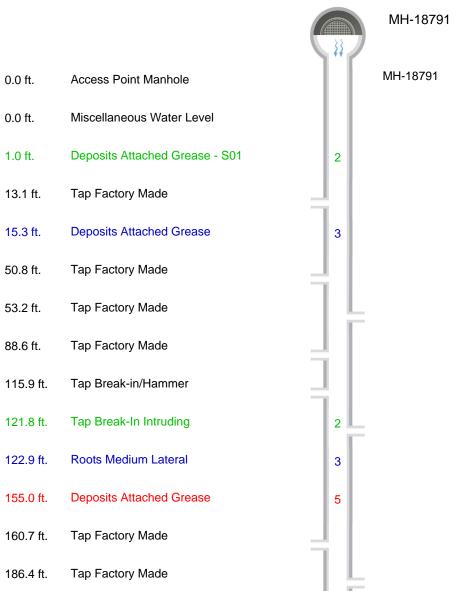
Project Total Ln.: 200.0 Project Inspected Ln.: 200.0



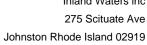
#### Defect

t Listing Plot	401-943-5302
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Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use	
MH-18791_MH-18786	LYNN	Lowell Street	Vitrified (	Clay Pipe	Local/Rura	Combined P.	
Upstream MH	Total Length	Year Constructed	Shape		Location Details		
MH-18791	200		Circular				
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-18786	200		12	12	3		
SPR	MPR	PO Number	Customer				
SPRI	MPRI	Work Order Number		City of Lynn	City of Lynn		
SPRI	MPRI			Purpose			
QSR	QMR			M	laintenance Rel	ated	
OPR	Surveyed By	Direction	Da	ate	Med	ia label	
	W.Martinez	Downstream	2018	1220	12-	20-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather		
	U-213-17282 Heavy Cleaning 08:13		:13	Dry - No P			
	Date Cleaned				Additional Info		
	20181220		08:	:26			



401-943-5302





# **Defect Listing Plot**

						$\overline{}$
MH-18786	200		12	12	3	
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18791	200		Circular			
Upstream MH	Total Length	Year Constructed	Shape		Location	n Details
MH-18791_MH-18786	LYNN	Lowell Street	Vitrified Clay Pipe		Local/Rura	Combined P
Pipe Segment Refere	City	Street	Material		Location C	Pipe Use

SPR	MPR	PO Number			Customer	
CDDI	MDDI	1		City of Lynn		
SPRI	MPRI	Work Order Numbe	er Purpose			
QSR	QMR		Ma		aintenance Related	
OPR	Surveyed By	Direction	Date		Media label	
	W.Martinez	Downstream	2018	20181220		20-18
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather	
	U-213-17282 He		08:13		Dry - No P	
	Date Cleaned		End <sup>*</sup>	Time	Additio	nal Info
	20181220		08:	:26		

2

194.3 ft. Tap Break-in/Hammer

196.8 ft. Deposits Attached Grease - F01

200.0 ft. Access Point Manhole



MH-18786

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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

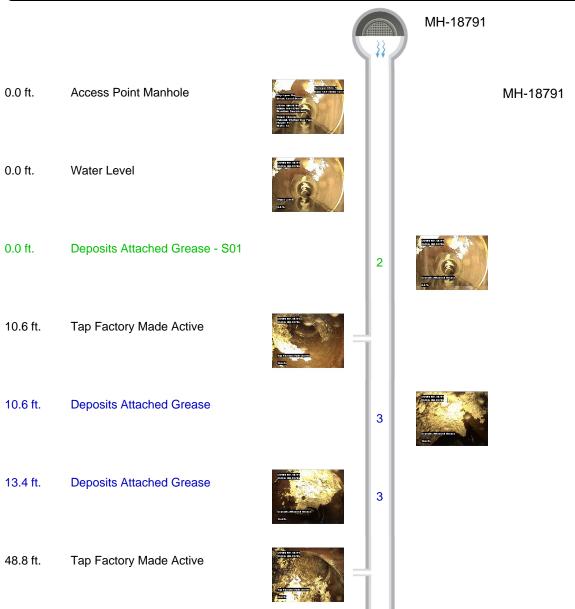
Project Name	: Lynn Wate	Lynn Water - Sewer Commission CCTV WE 10-12-18									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH-18791	MH-18786	MH-18791_MH-18786	10/11/2018	Lowel Street	Vitrified Clay Pipe	12	159	159			

Pipe Size: 12 Total Ln.: 159 Inspected Ln.: 159

Project Total Ln.: 159.0 Project Inspected Ln.: 159.0

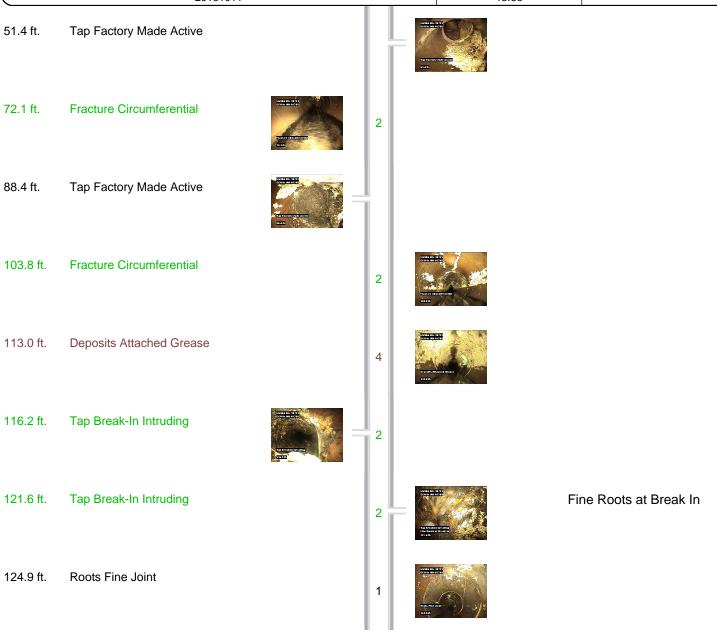


Pipe Segme	nt Refere	С	ity	Street	Ma	terial	rial Location C		
MH-18791_	MH-18786	Lynr	n- Ma	Lowel Street	Vitrified	Clay Pipe	Light High	Combined	
Upstrea	am MH	Total I	Length	Year Laid	Shape		Location Details		
MH-1	8791	15	59		Circ	cular			
DS Ma	ınhole	Length s	surveyed	Year Renewed	Height Width		Pipe Joint		
MH-1	8786	15	59		12	12	12		
SPR	4	MPR	89	PO Number	Customer				
SPRI	2	MPRI	2.1				Stantec		
SPRI	2	WPKI	2.1	Work Order	Work Order		Purpose		
QSR	2200	QMR	5141			l N	Maintenance Related		
OF	PR	Surve	yed By	Direction	Direction Da		Medi	a label	
9:	3	Chris_M		Downstream	Downstream 2018		10-1	11-18	
OP	RI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather		
2.	2.1 10-08-7625		Jetting	Jetting 13:32		Damp			
	•	Date C	leaned		End Time		Additional Info		
		2018	31011		13	:53			





Lowel Street  Year Laid		, ,	Light High	Combined	
Year Laid		ipe	1		
		Shape		n Details	
	Circ	ular			
Year Renewed	Height Width		Pipe Joint		
	12	12			
PO Number	PO Number		Customer		
<del> </del>			Stantec		
Work Order		Purpose			
		M	Maintenance Related		
Direction	Da	te	Media	label	
Downstream	2018 <sup>-</sup>	1011	10-1	1-18	
Pre-Cleaning	Tin	ne	Weather		
10-08-7625 Jetting 13:32		32	Damp		
•	End 7	Гime	Addition	nal Info	
	13:53				
	PO Number  Work Order  Direction Downstream Pre-Cleaning	Year Renewed	Year Renewed         Height 12         Width 12           PO Number         M           Work Order         M           Direction Downstream         Date 20181011           Pre-Cleaning Time Jetting         Time 13:32           End Time	Year Renewed         Height 12         Width 12         Pipe Joint           PO Number         Customer Stantec           Work Order         Purpose Maintenance Rela           Direction         Date Media           Downstream         20181011         10-1           Pre-Cleaning         Time Weather           Jetting         13:32         Damp           End Time         Addition	





401-265-3221

Pipe Segm	ent Refere	C	ity	Street	Mat	erial	Location C	Sewer Use	
MH-18791	_MH-18786	Lynr	n- Ma	Lowel Street	Vitrified	Clay Pipe	Light High	Combined	
Upstre	am MH	Total I	_ength	Year Laid	Sh	ape	Location	n Details	
MH-	18791	15	59		Circ	cular	ular		
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width Pipe Joint			
MH-	18786	15	59		12	12			
SPR	4	MPR	89	PO Number		Customer			
SPRI	2	MPRI	2.1		Stantec				
JFKI		IVIFIXI	2.1	Work Order			Purpose	Purpose	
QSR	2200	QMR	5141			M	aintenance Rela	intenance Related	
0	PR	Surve	yed By	Direction	Da	ate	Media	alabel	
9	93	Chri	s_M	Downstream	2018	31011	10-1	1-18	
OI	PRI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather		
2	2.1	10-08	-7625	Jetting	13	:32	Damp		
		Date C	leaned		End Time		Additio	nal Info	
20181011			13:53		:53				

128.2 ft. Roots Fine Joint



1

1

131.8 ft. Roots Fine Joint



139.9 ft. Deposits Attached Grease



5



151.8 ft. Deposits Attached Grease



159.0 ft. Survey Abandoned



Too Much Grease

159.0 ft. Deposits Attached Grease - F01





Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

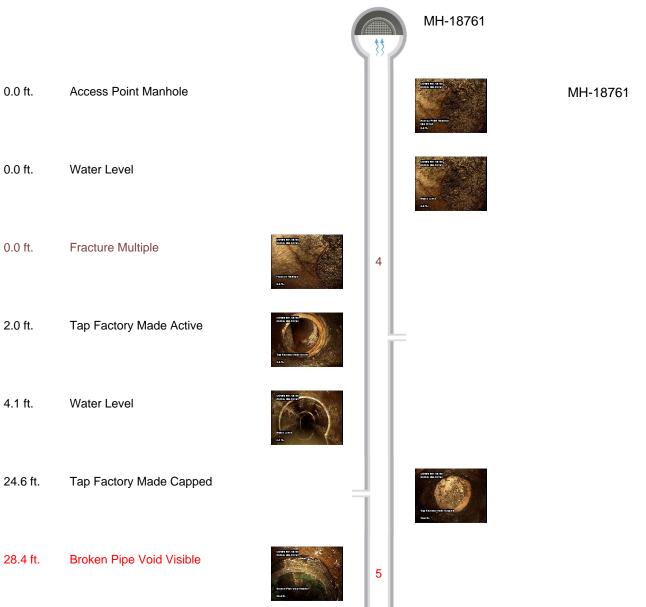
Project Name	: Lynn Wate	nn Water - Sewer Commission CCTV WE 10-26-18									
US MH	DS MH	S MH Pipe ID Date Street Material Size Total									
MH-18756	MH-18761	MH-18761_MH-18756	10/25/2018	Lowel Street Court	Vitrified Clay Pipe	8	204	204			

Pipe Size: 8 Total Ln.: 204 Inspected Ln.: 204

Project Total Ln.: 204.0 Project Inspected Ln.: 204.0



Pipe Segm	nent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
MH-18761	_MH-18756	Lynn	ı- MA	Lowel Street Court	Vitrified Clay Pipe		Light High	Combined
Upstr	eam MH	Total I	Length	Year Laid	Sh	nape Location D		n Details
MH-	18756	20	04		Circ	Circular		
DS N	lanhole	Length s	surveyed	Year Renewed	wed Height Width		Pipe Joint	
MH-	18761	20	04		8	8	8	
SPR	34	MPR	2	PO Number  Work Order			Customer	
SPRI	3.4	MPRI	2			Stantec		
SPRI	3.4	WPRI				Purpose		
QSR	5442	QMR	2100			Maintenance Related		
C	)PR	Surve	yed By	Direction	Da	ate	Media	a label
	36		avert	Upstream	Upstream 2018		10-2	25-18
С	PRI	Certificate	e Number	Pre-Cleaning	Time		Weather	
;	3.3 07003881		Jetting	09:22		Dry		
	Date Cleaned				End Time		Additional Info	
		2018	1025		09	:44		





49.6 ft.

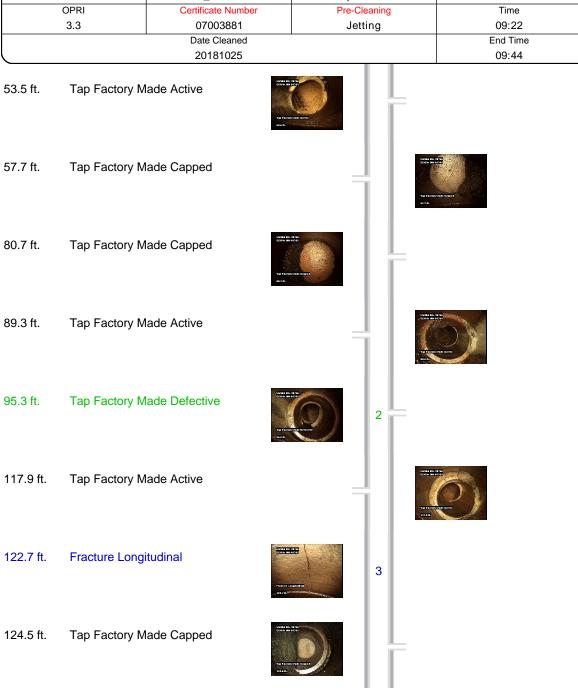
Tap Factory Made Capped

# Defect Listing Plot with Images

Pino So	gment Refere		ity		treet			erial	Location C	Sewer Use	
I	Gment Refere 61_MH-18756		n- MA	Lowel St		Court		enai Clay Pipe	Light High	Combined	
	stream MH		Length		ar Laid	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ape	Location Details		
-	H-18756		04					cular		· ·	
	6 Manhole	Length :	Year F	Renewe	ed	Height	Width	Pipe Joint			
M	H-18761	2	8			8					
SPR	34	MPR	2		PC	) Number		Customer			
SPRI	3.4	MPRI	2						Stantec		
				_	W	ork Order			Purpose		
QSR	5442	QMR	2100				_		aintenance Rela		
	OPR		yed By		ection			ate		a label	
	36 OPRI		avert e Number		tream Cleanin			31025 me	Weather	25-18 T	
	3.3		)3881		tting	y		:22	Dry		
	0.0		Cleaned	30	ttilig			Time		nal Info	
(			31025					:44			
							1				
30.8 ft.	Tap Factory M	lade Active	manus ri un a fi								
31.0 ft.	Material Chan	ge				over the control of t		V	/CP		
31.4 ft.	Broken Pipe V	oid Visible	CHARLES CONTRACTOR CON	THE STATE	5						
35.0 ft.	Tap Factory M	lade Capped	come and come of the come of t			L					
36.3 ft.	Water Level		-								
41.7 ft.	Joint Offset Me	edium	Orders of the Control		1						

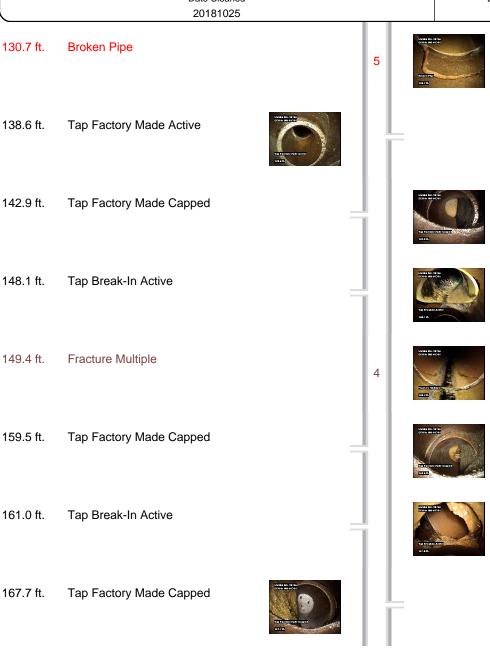


Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use	
MH-18761	_MH-18756	Lynn	ı- MA	Lowel Street Court	Vitrified Clay Pipe		Light High	Combined	
Upstre	eam MH	Total I	Length	Year Laid	Shape		pe Location Details		
MH-	18756	20	04		Circular				
DS M	lanhole	Length s	surveyed	Year Renewed	d Height Widt		Pipe Joint		
MH-	18761	20	04		8	8			
SPR	34	MPR	2	PO Number			Customer		
CDDI	2.4	MDDI		Work Order			Stantec		
SPRI	3.4	MPRI	2			Purpose			
QSR	5442	QMR	2100			Maintenance Related			
0	PR	Surve	yed By	Direction	Da	ate	Media	a label	
3	36	M_D	avert	Upstream	2018	1025	10-2	5-18	
O	PRI	Certificat	e Number	Pre-Cleaning	Tir	me	Weather		
3	3.3	0700	3881	Jetting	09	:22	Dry		
		Date C	leaned	-	End	End Time		Additional Info	
		2018	1025		09	:44			
		2018	1025		09	:44			





Pipe Segm	ent Refere	C	ity	Street	Mat	erial	Location C	Sewer Use
MH-18761	_MH-18756	Lynn	- MA	Lowel Street Court	Vitrified (	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	_ength	Year Laid	Sha	ape	Location	n Details
MH-1	18756	20	04		Circular			
DS M	anhole	Length s	surveyed	Year Renewed	Height Width		Pipe Joint	
MH-1	18761	20	)4		8	8	8	
SPR	34	MPR	2	PO Number		Customer		
SPRI	3.4	MPRI	2		Stantec			
		1011101		Work Order	Work Order		Purpose	
QSR	5442	QMR	2100			M	Naintenance Related	
0	PR	Surve	yed By	Direction	Da	ate	Media	alabel
3	36	M_D	avert	Upstream	2018	1025	10-2	5-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	me	Weather	
3	3.3	0700	3881	Jetting	09	:22	Dry	
		Date C	leaned		End	End Time		nal Info
20181025				na	:44			





Pipe Segme	ent Refere	C	ity	Street	Mat	terial Location C		Sewer Use
MH-18761 <sub>.</sub>	_MH-18756	Lynn	n- MA	Lowel Street Court	Vitrified (	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Sha	ape	Location	Details
MH-1	8756	204			Circ	ular		
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8761	20	04		8	8		
SPR	34	MPR	2	PO Number		Customer		
SPRI	3.4	MPRI	2	-			Stantec	
JFKI	3.4	IVIFIXI		Work Order			Purpose	
QSR	5442	QMR	2100			М	intenance Related	
Ol	PR	Surve	yed By	Direction	Da	ate	Media	alabel
3	6	M_D	avert	Upstream	2018	1025	10-2	5-18
OF	PRI	Certificat	e Number	Pre-Cleaning	Tir	ne	Weather	
3	.3	07003881 Jetting 09:22		:22	Dry			
		Date C	Cleaned		End	Time	Additional Info	
		2018	31025		09:	:44		
-							•	





Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18761	_MH-18756	Lynr	n- MA	Lowel Street Court	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Sh	ape	Location	Details
MH-1	8756	20	04		Circ	cular		
DS M	anhole	Length s	surveyed	Year Renewed	Height Width		Pipe Joint	
MH-1	8761	20	04		8	8	8	
SPR	34	MPR	2	PO Number	Customer			
SPRI	2.4	MPRI	2	-			Stantec	
SPRI	3.4	IVIPRI	2	Work Order	Work Order		Purpose	
QSR	5442	QMR	2100			Maintenance Related		
0	PR	Surve	yed By	Direction	Da	ate	Media	alabel
3	86	M_D	avert	Upstream	2018	31025	10-2	5-18
Ol	PRI	Certificat	e Number	Pre-Cleaning	Ti	me	Weather	
3	.3	0700	3881	Jetting	09	:22	Dry	
		Date C	Cleaned	•	End	Time	Additional Info	
	20181025				09:44			



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Inland Waters Inc. 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Project Name	: CITY OF L	TY OF LYNN CCTV									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH18761	MH18766	MH18761_MH18766	1/28/2019	Lowell Street Court	Vitrified Clay Pipe	8	118	118			

Pipe Size: 8 Total Ln.: 118 Inspected Ln.: 118

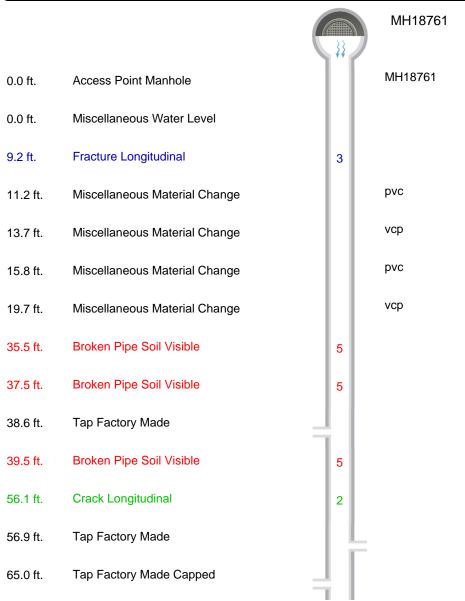
Project Total Ln.: 118.0 Project Inspected Ln.: 118.0



### Defect

ct Listing Plo	t	401-943-			
Street	Material	Location C	Sower Lice		

Pipe Segment Refere	City	Street	Mate	erial	Location C	Sewer Use
MH18761_MH18766	Lynn	Lowell Street Court	Vitrified (	Clay Pipe	Local/Rura	Combined P.
Upstream MH	Total Length	Year Laid	Sha	ape	Location Details	
MH18761	118		Circ	ular		
DS Manhole	Length surveyed	Year Renewed	Height	Height Width		
MH18766	118		8	8	3	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	$\dashv$			City of Lynn	
SPRI	MPRI	Work Order		Purpose		
QSR	QMR			M	aintenance Rel	ated
OPR	Surveyed By	Direction	Da	ate	Med	a label
	W.Martinez	Downstream	2019	0128	1-2	8-19
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather	
	U-213-17282	Light Cleaning	09:00		Dry - No P	
	Date Cleaned		End Time		Additional Info	
	20190128		09:	:08		_





# **Defect Listing Plot**

401-943-5302

		Derect Listing i	101			-101 0-10 000Z
Pipe Segment Refere	City	Street	Mate	erial	Location C	Sewer Use
MH18761_MH18766	Lynn	Lowell Street Court	Vitrified (	Clay Pipe	Local/Rura	Combined P.
Upstream MH	Total Length	Year Laid	Sha	•	Locatio	n Details
MH18761	118		Circ			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH18766	118		8	8	3 Customer	
SPR	MPR	PO Numbe	r			
SPRI	SPRI MPRI				City of Lynn	
QSR	QMR	Work Orde	r		Purpose	
		D: 0			laintenance Rela	
OPR	Surveyed By	Direction	Da			a label
ODDI	W.Martinez	Downstream	2019			8-19
OPRI	Certificate Number	Pre-Cleaning	Tir		Weather	
	U-213-17282 Date Cleaned	Light Cleaning	09:	Time	Dry - No P	nal Info
	20190128		09:		Additio	mai mio
67.7 ft. Hole Soil \			09.	.00		
80.2 ft. Crack Lon 87.2 ft. Tap Facto 89.9 ft. Hole Soil \	ry Made Capped	5				
Deposits Attached Grease  104.6 ft. Deposits Attached Grease		2				
107.5 ft. Tap Facto	ry Made Capped	L				
	attached Grease	2 MH18	766			

MH18766

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Inland Waters Inc. 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Project Name	Project Name: CITY OF LYNN CCTV									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp		
MH18766	MH18771	MH18766_MH18771	1/28/2019	Lowell Street Court	Vitrified Clay Pipe	8	141	141		

Pipe Size: 8 Total Ln.: 141 Inspected Ln.: 141

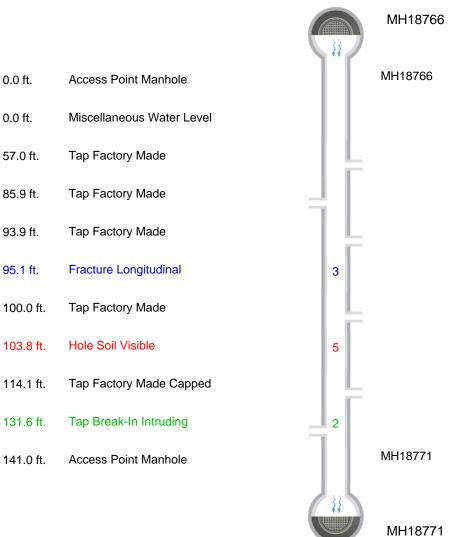
Project Total Ln.: 141.0 Project Inspected Ln.: 141.0



# **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Sewer Use
MH18766_MH18771	Lynn	Lowell Street Court	Vitrified (	Clay Pipe	Local/Rura	Combined P
Upstream MH	Total Length	Year Laid	Sha	ape	Location D	
MH18766	141		Circular			
DS Manhole	Length surveyed	Year Renewed	Height Width		Pipe Joint	
MH18771	141		8	8	3	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	1			City of Lynn	
SFRI	IVIFKI	Work Order			Purpose	
QSR	QMR			Ma	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2019	0128	1-2	8-19
OPRI	Certificate Number	Pre-Cleaning	Tiı	me	Weather	
	U-213-17282	Light Cleaning	09:44		Dry - No P	
	Date Cleaned		End Time		Additional Info	
	20190128		09	:52		





**Project Summary** 

Inland Waters Inc. 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

Project Name	: CITY OF L	ITY OF LYNN CCTV									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH18771	MH18776	MH18771_MH18776	1/28/2019	Lowell Street Court	Vitrified Clay Pipe	8	187	187			

Pipe Size: 8 Total Ln.: 187 Inspected Ln.: 187

Project Total Ln.: 187.0 Project Inspected Ln.: 187.0



### **Defect Listing Plot**

Pipe Segment Refere	City	Street	Mat	erial	Location C	Sewer Use	
MH18771_MH18776	Lynn	Lowell Street Court	Vitrified	Clay Pipe	Local/Rura	Combined P.	
Upstream MH	Total Length	Year Laid	Sh	ape	Location	n Details	
MH18771	187		Circular				
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
MH18776	187		8	8	3	<u> </u>	
SPR	MPR	PO Number			Customer		
SPRI	MPRI	-			City of Lynn		
SPRI	WPRI	Work Order			Purpose		
QSR	QMR			M	aintenance Rel	ated	
OPR	Surveyed By	Direction	Da	ate	Med	ia label	
	W.Martinez	Downstream	2019	0128	1-2	28-19	
OPRI	Certificate Number	Pre-Cleaning	Time		Weather		
	U-213-17282	Light Cleaning 10:07		Dry - No P			
	Date Cleaned				Additio	Additional Info	
	20190128		10	:18		_	





### **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	Refere City Street Material		terial	Location C	Sewer Use	
MH18771_MH18776	Lynn	Lowell Street Court	Vitrified	Clay Pipe	Local/Rura	Combined F
Upstream MH	Total Length	Year Laid	Sh	ape	Locatio	n Details
MH18771	187		Circ	cular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH18776	187		8	8	3	
SPR	MPR	PO Number		Customer		
SPRI	MPRI			City of Lynn		
JFKI	WEN	Work Order			Purpose	
QSR	QMR			l N	laintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2019	90128	1-2	8-19
OPRI	Certificate Number	Pre-Cleaning	Ti	me	Weather	
	U-213-17282	Light Cleaning	10	:07	Dry - No P	
	Date Cleaned		End	Time	Additio	nal Info
	20190128		10	:18		



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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

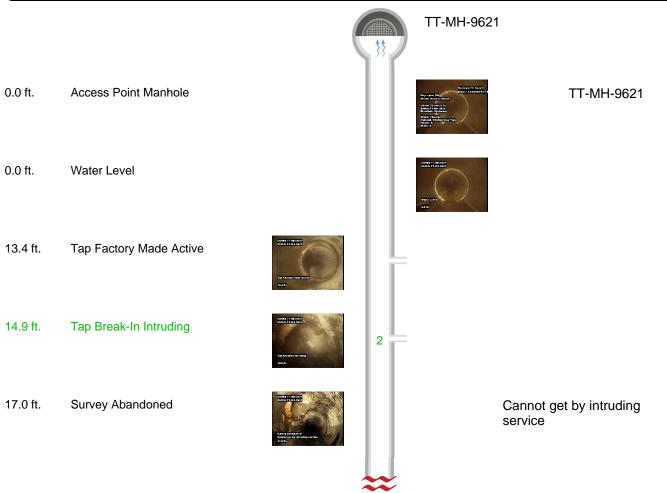
Project Name	Project Name: Lynn Water - Sewer Commision CCTV WE 11-16-18									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp		
TT-MH-2121	TT-MH-9621	TT-MH-9621_TT-MH-2 121	11/14/2018	Market Square	Vitrified Clay Pipe	8	150	17		

Pipe Size: 8 Total Ln.: 150 Inspected Ln.: 17

Project Total Ln.: 150.0 Project Inspected Ln.: 17.0



Pipe Segment Refere		City		Street	Material		Location C	Sewer Use
TT-MH-9621_	9621_TT-MH-21 Lynn- MA		Market Square	Vitrified Clay Pipe		Light High	Combined	
Upstream MH		Total L	ength	Year Laid	Sha	ape	Locatio	n Details
TT-MH	l-2121	150			Circ	ular		
DS Manhole		Length s	urveyed	Year Renewed	Height	Width	Pipe Joint	
TT-MH-9621		1	7		8	8		
SPR	N/A	MPR	2	PO Number	PO Number		Customer	
SPRI	N/A	MPRI	2	1			Stantec	
SFRI	IN/A	IVIFKI		Work Order		Purpose		
QSR	N/A	QMR	2100			Ma	Maintenance Related	
OF	PR	Surveyed By		Direction	Date		Media label	
2	2	M_Davert		Upstream	20181114		11-14-18	
OP	rRI	Certificate	Number	Pre-Cleaning	Time		Weather	
2	2	07003881		Jetting	09:21		Dry	
		Date C	leaned		End Time		Additional Info	
		2018	1114		09	:27		





Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

Project Name	ject Name: Lynn Water - Sewer Commision CCTV WE 11-16-18									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp		
TT-MH-9621	MH-18921	TT-MH-9621_MH-1892 1	11/14/2018	Market Square	Vitrified Clay Pipe	8	142	142		

Pipe Size: 8 Total Ln.: 142 Inspected Ln.: 142

Project Total Ln.: 142.0 Project Inspected Ln.: 142.0



Pipe Segme	nt Defere	Ci	itu	Street	Mo	torial	Location C	Sewer Use
					Material			
TT-MH-9621	_MH-18921	Lynn	ı- MA	Market Square	re Vitrified Cla		Light High	Combined
Upstrea	am MH	Total I	Length	Year Laid	Sh	ape Locat		n Details
TT-M⊦	I-9621	14	42		Circ	cular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8921	14	42		8	8		
SPR	10	MPR	35	PO Number		Customer		
0001	0.0	MDDI	4.0	†		Stantec		
SPRI	3.3	MPRI	1.6	Work Order			Purpose	
QSR	5131	QMR	3425			M	Maintenance Related	
OF	PR	Surve	yed By	Direction	D	ate	Medi	a label
4	5	M_Da	avert	Downstream	2018	31114	11-1	14-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather	
1.	1.8 07003881		Jetting	09:33		Dry		
Date Cleaned		leaned	Enc		End Time		nal Info	
		2018	1114		09	:53		



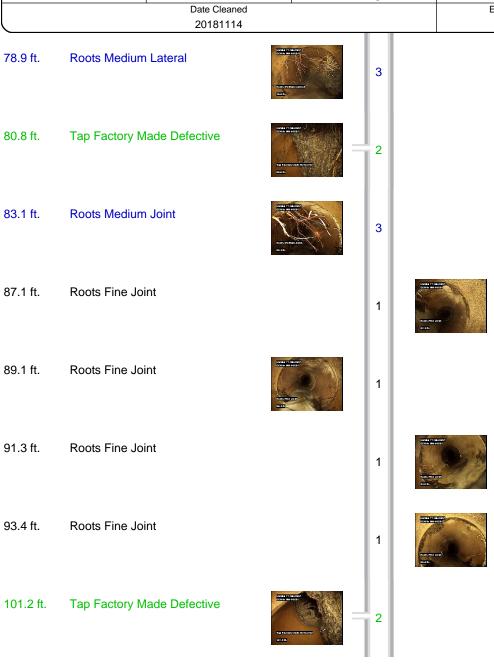


Pipe Segme	nt Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
TT-MH-9621	_MH-18921	Lynn	ı- MA	Market Square	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total I	Length	Year Laid	Sh	ape	Locatio	n Details
TT-MH	l-9621	14	42		Circ	ular		
DS Ma	inhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8921	14	42		8	8		
SPR	10	MPR	35	PO Number		Customer		
SPRI	3.3	MPRI	1.6	1		Stantec		
SPRI	3.3	IVIPRI	1.0	Work Order			Purpose	
QSR	5131	QMR	3425			Ma	aintenance Rela	ated
OF	PR .	Surve	yed By	Direction	Da	ate	Medi	a label
4	5	M_Da	avert	Downstream	2018	31114	11-1	14-18
OF	RI	Certificate	e Number	Pre-Cleaning	Ti	Time Weather		
1.	8	0700	3881	Jetting	09	09:33 Dry		
Date Cleaned			End		Additional Info			
		2018	1114		09:53			_

	2018111	4	
60.0 ft.	Tap Factory Made Defective		2
60.9 ft.	Roots Fine Joint	State of the state	1
62.8 ft.	Roots Fine Joint		1
64.6 ft.	Roots Fine Joint	Control of the Contro	1
67.0 ft.	Roots Fine Joint		1
69.7 ft.	Roots Fine Joint		1
75.4 ft.	Roots Fine Joint	State of Managers	1
76.8 ft.	Roots Fine Joint		1

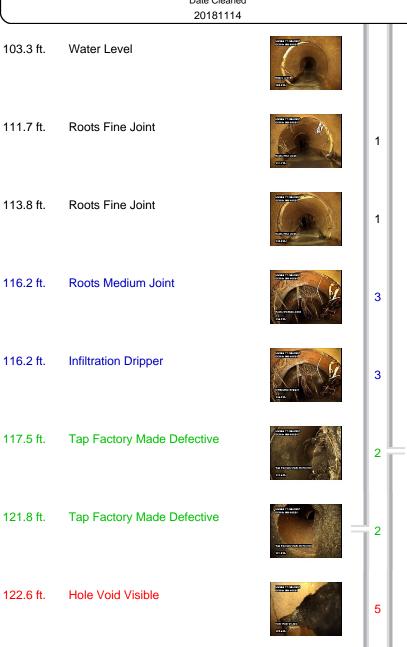


Pipe Segm	ent Refere	C	ity	Street	Mate	erial	Location C	Sewer Use
TT-MH-962	1_MH-18921	Lynr	n- MA	Market Square	Vitrified (	Clay Pipe	Light High	Combine
Upstre	am MH	Total	Length	Year Laid	Sha	hape Locatio		Details
TT-MI	H-9621	1-	42		Circ	ular		
DS M	anhole	Length:	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-	18921	1-	42		8	8		
SPR	10	MPR	35	PO Number		Customer		
SPRI	2.2	MPRI	1.6			Stantec		
SPRI	3.3	IVIPRI	1.6	Work Order			Purpose	
QSR	5131	QMR	3425			M	Maintenance Related	
0	PR	Surve	yed By	Direction	Da	ite	Media	alabel
2	15	M_D	avert	Downstream	2018	1114	11-1	4-18
OI	PRI	Certificat	e Number	Pre-Cleaning	Tir	ne	Weather	
1	.8	0700	03881	Jetting	09:33		Dry	
Date Cleaned			End	Time	Additio	nal Info		
		2018	31114		09:	53		
							•	





Pipe Segme	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
TT-MH-9621	_MH-18921	Lynn	- MA	Market Square	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total I	_ength	Year Laid	Sh	ape	pe Location De	
TT-MF	l-9621	14	12		Circ	cular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8921	14	12		8	8		
SPR	10	MPR	35	PO Number		Customer		
SPRI	2.2	MPRI	1.6	1		Stantec		
SPRI	3.3	IVIPRI	1.0	Work Order			Purpose	
QSR	5131	QMR	3425			Ma	Maintenance Related	
OF	PR	Surve	yed By	Direction	Da	ate	Medi	a label
4	5	M_Da	avert	Downstream	2018	31114	11-	14-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Ti	Time Weather		
1.	1.8 07003881		Jetting	09:33		Dry		
Date Cleaned		•	End	Time	Additio	onal Info		
		20181114			09:53			_





/ Pipe Segm	nent Refere	C	ity	Street	Mate	erial	Location C	Sewer Use `
TT-MH-962	21_MH-18921	Lynr	n- MA	Market Square	Vitrified (	Clay Pipe	Light High	Combined
Upstre	eam MH	Total	Length	Year Laid	Sha	ape	Location	Details
TT-M	H-9621	1-	42		Circ	ular		
DS M	1anhole	Length :	surveyed	Year Renewed	Height	Width Pipe Joint		
MH-	18921	1-	42		8	8		
SPR	10	MPR	35	PO Number		Customer		
SPRI	3.3	MPRI	1.6	1		Stantec		
SFRI	ა.ა	IVIFKI	1.0	Work Order			Purpose	
QSR	5131	QMR	3425			Ma	intenance Rela	ited
C	)PR	Surve	yed By	Direction	Da	ate	Media	alabel
	45	M_D	avert	Downstream	2018	1114	11-1	4-18
0	PRI	Certificat	e Number	Pre-Cleaning	Tir	ne	Weather	
•	1.8	0700	03881	Jetting	09:	09:33 Dry		
		Date C	Cleaned	•	End .	End Time Addition		nal Info
		2018	31114		09:	:53		





MH-18751

MH-18746\_MH-18751

Project Name:

US MH

MH-18746

**Project Summary** 

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

258

258

12

		•					
City of Lyn	n Clean and CCTV WE	12-21-18					
DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp

Vitrified Clay Pipe

Pipe Size: 12 Total Ln.: 258 Inspected Ln.: 258

Project Total Ln.: 258.0 Project Inspected Ln.: 258.0

12/20/2018 Neptune Street

3



Pipe Segment Refere...
MH-18746\_MH-18751
Upstream MH
MH-18746
Downsstream MH

MH-18751

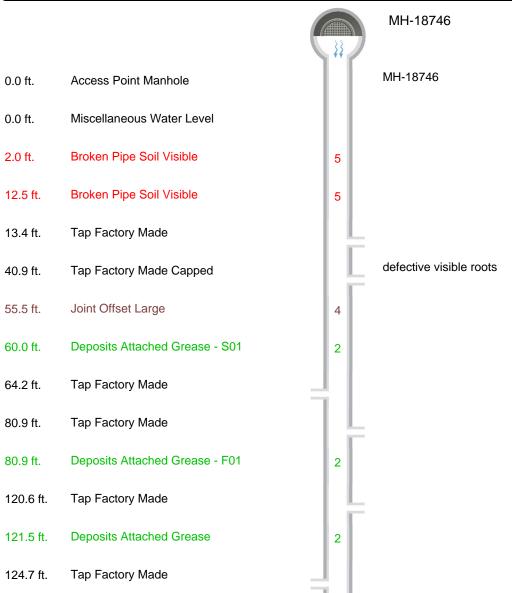
### **Defect Listing Plot**

	Defect Listing 1 lot								
City	Street	Mate	erial	Location C	Pipe Use				
LYNN	Neptune Street	Vitrified Clay Pipe		Vitrified Clay Pipe		Vitrified Clay Pipe		Local/Rura	Combined P
Total Length	Year Constructed	Shape		Location	n Details				
258		Circular							
Length surveyed	Year Renewed	Height	Width	Pipe Joint					

12

12

SPR	MPR	PO Number			Customer	
CDDI	MDDI	-			City of Lynn	
SPRI	MPRI	Work Order Numbe	er		Purpose	
QSR	QMR		Ma		aintenance Related	
OPR	Surveyed By	Direction	Date		Media label	
	W.Martinez	Downstream	20181220		12-20-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather	
	U-213-17282	Heavy Cleaning	11:26		Dry - No P	
Date Cleaned			End	Time	Additio	nal Info
	20181220		11	:50		



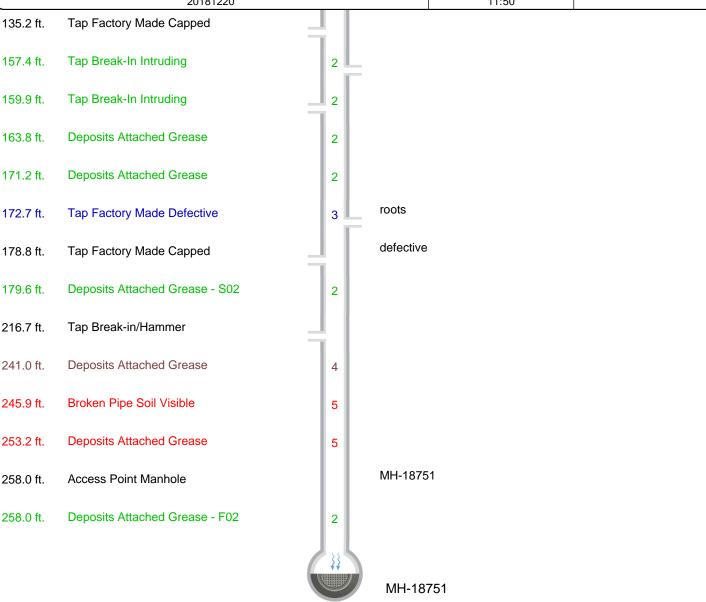
258



### **Defect Listing Plot**

Pipe Segment Refere	City	Street	Material		Location C	Pipe Use
MH-18746_MH-18751	LYNN	Neptune Street	Vitrified Clay Pipe		Local/Rura	Combined P
Upstream MH	Total Length	Year Constructed	Shape		Location	n Details
MH-18746	258		Circular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18751	258		12	12	3	ر ا

SPR	MPR	PO Number			Customer	
CDDI	MDDI	-		City of Lynn		
SPRI	MPRI	Work Order Number	er		Purpose	
QSR	QMR		Ma		aintenance Related	
OPR	Surveyed By	Direction	Da	ate	Media label	
	W.Martinez	Downstream	2018	31220	12-20-18	
OPRI	Certificate Number	Pre-Cleaning	Ti	me	Weather	
	U-213-17282	Heavy Cleaning	11	:26	Dry - No P	
Date Cleaned			End	Time	Additio	nal Info
	20181220		11	:50		



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Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Project Name	: City of Lyn	n Clean and CCTV WE	12-21-18							
US MH	DS MH	S MH Pipe ID Date Street Material Size Total In								
MH-18746	TTMH-3784	MH-18746_TTMH-3784	12/20/2018	Neptune Street	Vitrified Clay Pipe	12	0	218		

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 218

Project Total Ln.: 0.0 Project Inspected Ln.: 218.0



### **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18746_TTMH-3784	LYNN	Neptune Street	Vitrified (	Clay Pipe	Local/Rura	Combined P
Upstream MH	Total Length	Year Constructed	Sha	ape	Locatio	n Details
MH-18746			Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
TTMH-3784	218		12	12	3	$oxed{oldsymbol{oldsymbol{oxed}}}$
SPR	MPR	PO Number			Customer	
SPRI	MPRI	-			City of Lowell	
SFRI	WIFKI	Work Order Number	er		Purpose	
QSR	QMR			Ma	aintenance Related	
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Upstream	2018	1220	12-2	20-18
OPRI	Certificate Number	Pre-Cleaning	Tiı	me	Weather	
	U-213-17282	Heavy Cleaning	10	:47	Dry - No P	
	Date Cleaned		End	Time	Additio	onal Info
	20181220		11	:01		

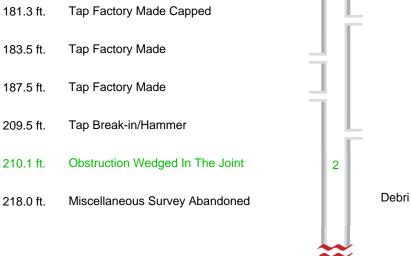




# **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mate	erial	Location C	Pipe Use	
MH-18746_TTMH-3784	LYNN	Neptune Street	Vitrified (	Clay Pipe	Local/Rura	Combined P.	
Upstream MH	Total Length	Year Constructed	Sha	ape	Locatio	n Details	
MH-18746			Circ	ular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
TTMH-3784	218		12	12	3		
SPR	MPR	PO Number			Customer		
SPRI	MPRI			City of Lowell			
Of ICI	WII TXI	Work Order Number	er		Purpose		
QSR	QMR			М	aintenance Rela	ated	
OPR	Surveyed By	Direction	Da	ate	Medi	a label	
	W.Martinez	Upstream	2018	1220	12-2	20-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather		
	U-213-17282	Heavy Cleaning	10:	47	Dry - No P		
	Date Cleaned	•	End	Time	Additio	nal Info	
	20181220		11:	:01			
181.3 ft. Tap Factory I	Made Capped		1	-			



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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

Project Name	Project Name: Lynn Water - Sewer Commission CCTV WE 11-30-18												
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp					
MH-18716	MH-18711	MH-18716_MH-18711	11/29/2018	Neptune Street Court	Vitrified Clay Pipe	8	270	270					

Pipe Size: 8 Total Ln.: 270 Inspected Ln.: 270

Project Total Ln.: 270.0 Project Inspected Ln.: 270.0

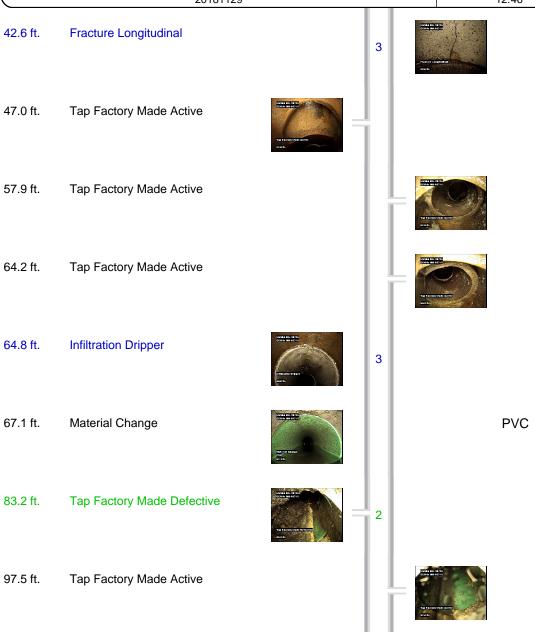


Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18716_	_MH-18711	Lynr	n- MA	Neptune Street Cour	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total Length		Year Laid	Sh	ape	Location Details	
MH-1	8716	270			Circ	cular		
DS Manhole		Length surveyed		Year Renewed	Height	Width	Pipe Joint	
MH-18711		270			8	8		
SPR	12	MPR	23	PO Number			Customer	
SPRI	2	MPRI	2.1	†			Stantec	
SPRI	2	IVIPRI	2.1	Work Order			Purpose	
QSR	3124	QMR	312A			Ma	laintenance Related	
OF	PR	Surve	yed By	Direction	Date		Media label	
3	5	M_Davert		Downstream	20181129		11-2	9-18
OF	PRI	Certificat	e Number	Pre-Cleaning	Time		Weather	
2.1		07003881		Heavy Cleaning	12:20		Dry	
		Date C	leaned	End Time		Time	Additional Info	
		2018	31129		12	:46		



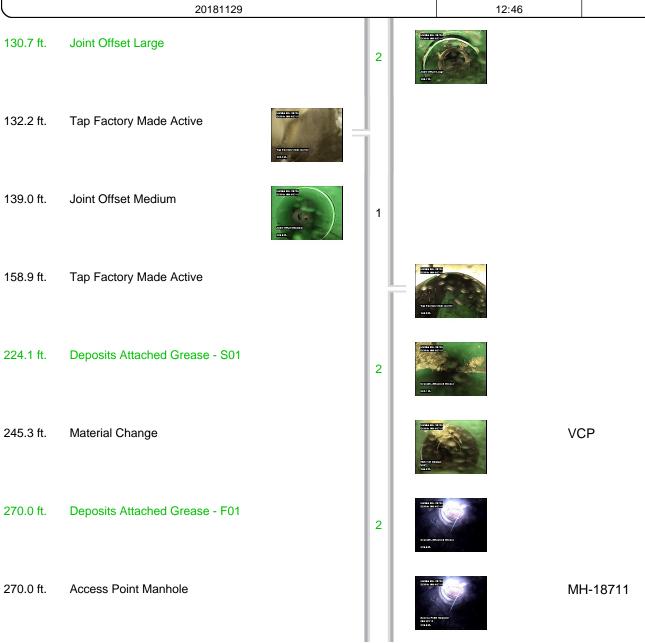


Pipe Segme	nt Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18716_	MH-18711	Lynn	n- MA	Neptune Street Cour	Vitrified (	Clay Pipe	Light High	Combined
Upstrea	am MH	Total I	Length	Year Laid	Shape		Location Details	
MH-1	8716	270			Circ	ular		
DS Ma	inhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	MH-18711		70		8	8		
SPR	12	MPR	23	PO Number		Customer Stantec		
SPRI	2	MPRI	2.1	-				
SPRI	2	IVIPRI	2.1	Work Order			Purpose	
QSR	3124	QMR	312A			Ma	aintenance Rela	ated
OF	PR	Surve	yed By	Direction	Da	ate	Media	a label
3	5	M_D	avert	Downstream 2018		0181129 11-		29-18
OP	RI	Certificat	e Number	Pre-Cleaning	Tiı	me Weather		
2.	2.1		3881	Heavy Cleaning	12:20		Dry	
		Date C	Cleaned		End Time Addit		Additio	nal Info
		2018	31129			:46		





Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18716	_MH-18711	Lynr	ı- MA	Neptune Street Cour	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Shape		Location Details	
MH-	18716	270			Circ	cular		
DS Manhole MH-18711 SPR 12		Length surveyed 270		Year Renewed	Height	Width	Pipe Joint	
					8	8		
		MPR	23	PO Number			Customer	
SPRI	2	MPRI	2.1	-			Stantec Purpose	
SPRI	2	IVIPRI	2.1	Work Order				
QSR	3124	QMR	312A			l N	laintenance Related	
0	PR	Surve	yed By	Direction	Date		Media label	
3	35	M_D	avert	Downstream	2018	1129	9 11-2	
OI	PRI	Certificat	e Number	Pre-Cleaning	Tir	Time		
2	2.1	0700	3881	Heavy Cleaning	12:20		Dry	
Date Cleaned		leaned		End	Time	Additio	nal Info	
		2018	1129		12	:46		





401-265-3221

_									
Pipe Segm	ent Refere	C	ity	Street	Mat	terial	Location C	Sewer Use	
MH-18716	_MH-18711	Lynn	n- MA	Neptune Street Cour	Vitrified Clay Pipe		Light High	Combined	
Upstre	am MH	Total Length		Year Laid	Sh	ape	Location Details		
MH-18716		270			Circ	cular			
DS M	DS Manhole MH-18711		surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-			70		8	8			
SPR	12	MPR	23	PO Number			Customer		
CDDI	0	MDDI	0.4	1			Stantec		
SPRI	2	MPRI	2.1	Work Order			Purpose		
QSR	3124	QMR	312A				Maintenance Related		
0	PR	Surve	yed By	Direction	Direction Da		Date Media		
3	35	M_D	avert	Downstream	20181129		11-2	9-18	
OI	PRI	Certificat	e Number	Pre-Cleaning	Ti	me	Weather		
2	2.1		3881	Heavy Cleaning	vy Cleaning 12		Dry		
		Date C	Cleaned		End	Time	Additio	nal Info	
		2018	31129		12	:46			



MH-18711

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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

Project Name	: Lynn Wate	ynn Water - Sewer Commission CCTV WE 10-19-18											
US MH	DS MH	DS MH Pipe ID Date Street Material Size Total I											
MH-25521	1 MH-18716 MH-25521_MH-18716 10/18/2018 Neptune Street Court Vitrified Clay Pipe 8 0												

Pipe Size: 8 Total Ln.: 0 Inspected Ln.: 49

Project Total Ln.: 0.0 Project Inspected Ln.: 49.0



Pipe Segme	nt Refere	С	ity	Street	Ma	terial	Location C	Sewer Use
MH-25521_	MH-18716	Lynr	n- Ma	Neptune Street Cour	Vitrified Clay Pipe		Light High	Combined
Upstrea	am MH	Total Length		Year Laid	Sh	ape	Location Details	
MH-2	5521				Circ	cular		
DS Manhole MH-18716		Length surveyed 49		Year Renewed	Height	Width	Pipe Joint	
					8	8		
SPR	SPR 10		5	PO Number			Customer	
SPRI	2.2	MPRI	2.5	-			Stantec	
SPRI	3.3	WFRI 2.5	Work Order			Purpose		
QSR	4221	QMR	3121			N	laintenance Rela	ated
OF	PR	Surve	yed By	Direction	Date		Media label	
1:	5	Chri	s_M	Downstream	Downstream 2018 <sup>2</sup>		181018 10-	
OP	RI	Certificate	e Number	Pre-Cleaning	Time		Weather	
3	3		3-7625	Heavy Cleaning	11:54		Dry	
		Date C	leaned		End	End Time		nal Info
		2018	1018		12	2:11		





401-265-3221

Pipe Segme	nt Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
MH-25521_	MH-18716	Lynn	n- Ma	Neptune Street Cour	Vitrified	Clay Pipe	Light High	Combined
Upstrea	ım MH	Total I	Length	Year Laid	Shape		Location Details	
MH-2	5521				Circ	ular		
DS Ma	nhole	Length surveyed		Year Renewed	Height	Width	Pipe Joint	
MH-1	8716	4	.9		8	8		
SPR	10	MPR	5	PO Number		Customer		
SPRI	3.3	MPRI	2.5	7			Stantec	
SPRI	3.3	IVIPRI	2.5	Work Order			Purpose	
QSR	4221	QMR	3121			M	aintenance Rela	ated
OF	'R	Surve	yed By	Direction	Da	ate	Media	a label
15	5	Chri	s_M	Downstream	Downstream 2018		181018 10-1	
OP	RI	Certificate	e Number	Pre-Cleaning	Tir	me	Weather	
3	3		3-7625	Heavy Cleaning	11	11:54		
		Date C	leaned		End Time Ad		Additio	nal Info
		2018	1018		12	:11		

49.0 ft. Survey Abandoned



Brick Stuck on Offset Joint

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# **Project Summary**

Project Name	: Lynn Wate	nn Water - Sewer Commission CCTV WE 10-19-18								
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp		
TT-CB2146	TT-MH4621	TT-MH4621_TT-CB214 6	10/18/2018	Neptune Street Court	Vitrified Clay Pipe	8	3	3		

Pipe Size: 8 Total Ln.: 3 Inspected Ln.: 3

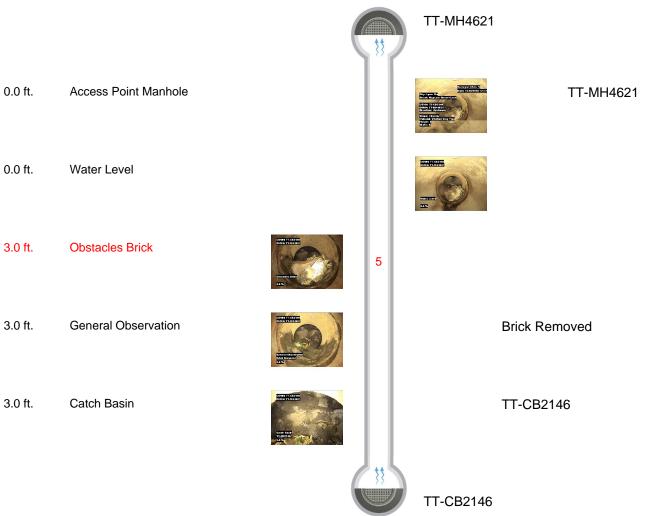
Project Total Ln.: 3.0 Project Inspected Ln.: 3.0



### Defect Listing Plot with Images

401-265-3221

Pipe Segm	ent Refere	C	ity	Street	Mat	erial	Location C	Sewer Use
TT-MH4621	_TT-CB2146	Lynr	n- Ma	Neptune Street Cour	Vitrified (	Clay Pipe	Light High	Combined
Upstre	eam MH	Total I	_ength	Year Laid	Shape		Location	n Details
TT-C	B2146	:	3		Circular			
DS M	anhole	Length surveyed		Year Renewed	Height Width		Pipe Joint	
TT-MH4621 SPR N/A		3			8	8		L
		MPR	5	PO Number			Customer	
SPRI	N/A	MPRI	5	_			Stantec	
SPRI	IN/A	IVIPRI	<u>ე</u>	Work Order			Purpose	
QSR	N/A	QMR	5100			M	laintenance Rela	ated
0	PR	Surve	yed By	Direction	Direction Da		Media	a label
	5	Chri	s_M	Upstream	20181018		10-1	8-18
O	PRI	Certificate	e Number	Pre-Cleaning	Tiı	me	Weather	
	5	10-08	-7625	No Pre-Cleaning	12	12:18		
	Date Cleaned			•	End	Time	Additio	nal Info
					12	:22		





# **Project Summary**

Project Name: Lynn Water - Sewer Commission CCTV WE 10-19-18								
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp
TT-MH4621	MH-25521	TT-MH4621_MH-25521	10/18/2018	Neptune Street Court	Vitrified Clay Pipe	8	100	100

Pipe Size: 8 Total Ln.: 100 Inspected Ln.: 100

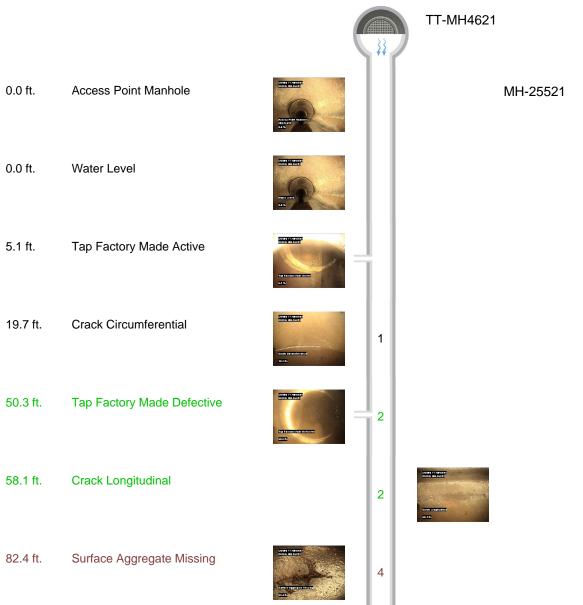
Project Total Ln.: 100.0 Project Inspected Ln.: 100.0



### Defect Listing Plot with Images

401-265-3221

Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
TT-MH4621	_MH-25521	Lynr	n- Ma	Neptune Street Cour	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Shape		Location Details	
TT-MI	H4621	100			Circular			
DS Manhole		Length surveyed		Year Renewed	Height	Width	Pipe Joint	
MH-2	25521	10	00		8	8		
SPR 7		MPR	4	PO Number			Customer	,
SPRI	2.3	MPRI	2				Stantec	
SPRI	2.3	IVIPRI		Work Order			Purpose	
QSR	4121	QMR	2200			М	aintenance Rela	nted
OI	PR	Surve	yed By	Direction	Direction Da		Media	a label
1	1	Chri	s_M	Downstream	2018	181018 10		8-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather	
2	2.2		3-7625	Heavy Cleaning	11:44		Dry	
	Date Cleaned				End	Time	Additio	nal Info
		2018	1018		11	:52		



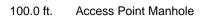


### Defect Listing Plot with Images

401-265-3221

Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
TT-MH4621	1_MH-25521	Lynr	n- Ma	Neptune Street Cour	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Shape		Location	Details
TT-M	H4621	100			Circular			
DS Manhole		Length surveyed		Year Renewed	Height	Width	Pipe Joint	
MH-25521		100			8	8		
SPR 7		MPR	4	PO Number			Customer	
SPRI	2.3	MPRI	2	-			Stantec	
SPRI	2.3	IVIPRI		Work Order			Purpose	
QSR	4121	QMR	2200			M	laintenance Related	
0	PR	Surve	yed By	Direction Dat		Date Med		alabel
1	11	Chri	is_M	Downstream	20181018		10-1	8-18
OI	PRI	Certificat	e Number	Pre-Cleaning	Ti	me	Weather	
2	2.2	10-08	3-7625	Heavy Cleaning	11	:44	Dry	
		Date C	Cleaned	•	End	Time	Additio	nal Info
(		2018	31018		11	:52		







TT-MH4621

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# **Project Summary**

Project Name	ame: City of Lynn Clean and CCTV WE 12-21-18									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp		
MH-18681	MH-18831	MH-18681_MH18831	12/20/2018	South Street	Vitrified Clay Pipe	12	172	172		

Pipe Size: 12 Total Ln.: 172 Inspected Ln.: 172

Project Total Ln.: 172.0 Project Inspected Ln.: 172.0



#### Defect

Listing Plot	401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use	
MH-18681_MH18831	LYNN	South Street	Vitrified	Clay Pipe	Local/Rura	Combined P.	
Upstream MH	Total Length	Year Constructed	Sh	ape	Location	on Details	
MH-18681	172		Circ	cular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-18831	172		12	12	3		
SPR	MPR	PO Number			Customer		
SPRI	PRI MPRI		City of Lynn				
SPRI	MPRI	Work Order Numbe	er		Purpose		
QSR	QMR			Ma	aintenance Related		
OPR	Surveyed By	Direction	Da	ate	Med	ia label	
	W.Martinez	Downstream	2018	1220	12-	20-18	
OPRI	Certificate Number	Pre-Cleaning	Ti	me	Weather		
	U-213-17282		13	13:26			
	Date Cleaned		End	Time	Additi	onal Info	
	20181220		13	:44			





#### **Defect Listing Plot** Street

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18681_MH18831	LYNN	South Street	Vitrified (	Clay Pipe	Local/Rura	Combined P
Upstream MH	Total Length	Year Constructed	Sha	ape	Locatio	n Details
MH-18681	172		Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18831	172		12	12	3	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	-	City of Lynn			
SPRI	WPRI	Work Order Number		Purpose		
QSR	QMR			Ma	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1220	12-20-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather	
	U-213-17282		13:	26	Dry - No P	
	Date Cleaned		End	Time	Additio	nal Info
	20181220		13:	44		

Miscellaneous Material Change 165.9 ft.

172.0 ft. Access Point Manhole pvc

MH-18831

MH-18831

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# **Project Summary**

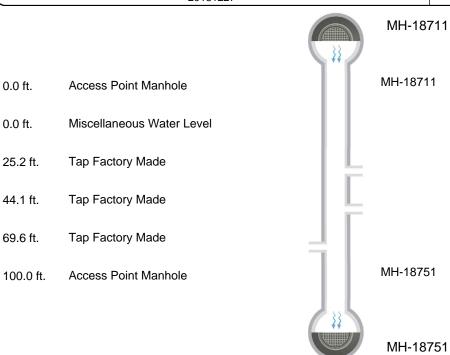
Project Nar	t Name: City of Lynn Clean and CCTV WE 12-28-18									
US MH	MH DS MH Pipe ID Date			Street	Material	Size	Total	Insp		
MH-18711	MH-18751	MH-18711_MH-18751	12/27/2018	South Street	PolyVinyl Chloride	12	100	100		

Pipe Size: 12 Total Ln.: 100 Inspected Ln.: 100

Project Total Ln.: 100.0 Project Inspected Ln.: 100.0



Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18711_MH-18751	Lynn	South Street	PolyViny	l Chloride	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sha	ape	Location	n Details
MH-18711	100		Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18751	100		12	12	13	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	1			City of Lynn	
SPRI	WERI	Work Order Numb	er		Purpose	
QSR	QMR			М	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Media	a label
	W.Martinez	Downstream	2018	1227	12-2	7-18
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather	
	U-213-17282	Light Cleaning	12	:22	Dry - No P	
	Date Cleaned	•	End	Time	Additio	nal Info
	20181227		12	:43		





# **Project Summary**

Project Name	ne: City of Lynn Clean and CCTV WE 12-28-18									
US MH	MH DS MH Pipe ID Date			Street	Material	Size	Total	Insp		
MH-18751	TTMH-8788	MH18751_TTMH-8788	12/27/2018	South Street	PolyVinyl Chloride	18	41	41		

Pipe Size: 18 Total Ln.: 41 Inspected Ln.: 41

Project Total Ln.: 41.0 Project Inspected Ln.: 41.0



0.0 ft.

0.0 ft.

20.3 ft.

41.0 ft.

### **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH18751_TTMH-8788	Lynn	South Street	PolyVinyl	l Chloride	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sha	ape	Location	n Details
MH-18751	41		Circular			
Downsstream MH	Length surveyed	Year Renewed	Height Width		Pipe Joint	
TTMH-8788	41		18	18	13	
SPR	MPR	PO Number		Customer		
SPRI	MPRI	1		City of Lynn		
SPRI	WPRI	Work Order Number	er		Purpose	
QSR	QMR			М	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Media	a label
	W.Martinez	Downstream	2018	1227	12-2	27-18
OPRI	Certificate Number	Pre-Cleaning	Time		Weather	
	U-213-17282	Light Cleaning	13:	13:39 Dry - No P		
	Date Cleaned	•	End Time		Additio	nal Info
	20181227		13:	:41		

Access Point Manhole

MH-18751

MH-18751

MH-18751

MH-18751

TTMH-8788



# **Project Summary**

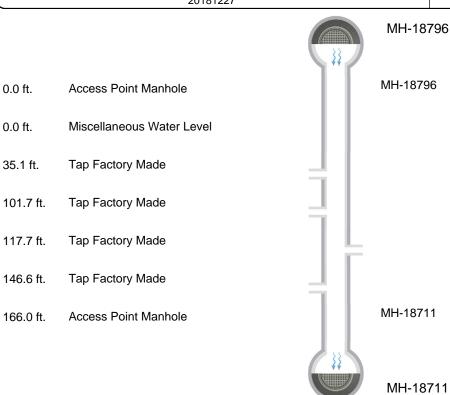
Project Name	: City of Lyn	City of Lynn Clean and CCTV WE 12-28-18							
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp	
MH-18796	MH-18711	MH-18796_MH-18711	12/27/2018	South Street	PolyVinyl Chloride	12	166	166	

Pipe Size: 12 Total Ln.: 166 Inspected Ln.: 166

Project Total Ln.: 166.0 Project Inspected Ln.: 166.0



Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18796_MH-18711	Lynn	South Street	PolyViny	Chloride	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sha	ape	Location	Details
MH-18796	166		Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Height Width		
MH-18711	166		12	12	3	
SPR	MPR	PO Number		Customer		
SPRI	MPRI	†		City of Lynn		
SPRI	WPRI	Work Order Numb	er		Purpose	
QSR	QMR			М	aintenance Rela	ited
OPR	Surveyed By	Direction	Da	ate	Media	alabel
	W.Martinez	Downstream	2018	1227	12-2	7-18
OPRI	Certificate Number	Pre-Cleaning	Time		Weather	
	U-213-17282	Light Cleaning	12	12:01 Dry - No P		
	Date Cleaned	•	End	Time	Additio	nal Info
	20181227		12	:18		





# **Project Summary**

Project Name	: City of Lyn	City of Lynn Clean and CCTV WE 12-28-18							
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp	
MH-18821	TTMH-8826	MH-18821_TTMH-8826	12/27/2018	South Street	PolyVinyl Chloride	18	218	218	

Pipe Size: 18 Total Ln.: 218 Inspected Ln.: 218

Project Total Ln.: 218.0 Project Inspected Ln.: 218.0

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



### **Defect Listing Plot**

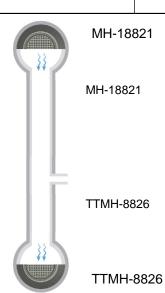
401-943-5302

Pipe Segment Refere	City	Street	Ivial	enai	Location C	Pipe Use
MH-18821_TTMH-8826	Lynn	South Street	PolyVinyl	Chloride	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sha	ape	Location	Details
MH-18821	218		Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
TTMH-8826	218		18	18	13	
SPR	MPR	PO Number		Customer		
CDDI	MDDI	-		City of Lynn		
SPRI	MPRI	Work Order Numb	er		Purpose	
QSR	QMR			M	aintenance Rela	ited
OPR	Surveyed By	Direction	Da	ate	Media	alabel
	W.Martinez	Downstream	2018	1227	12-2	7-18
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather	
	U-213-17282	Light Cleaning	13:	13:53 Dry - No P		
	Date Cleaned		End Time Ad		Additio	nal Info
	20181227		14:	:01		

0.0 ft. Access Point Manhole0.0 ft. Miscellaneous Water Level

33.5 ft. Tap Factory Made

218.0 ft. Access Point Manhole





# **Project Summary**

Project Name	: City of Lyni	City of Lynn Clean and CCTV WE 12-28-18							
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp	
MH-18831	TTMH-3196	TTMH-3196_MH-18831 REV	12/27/2018	South Street	PolyVinyl Chloride	12	252	205	

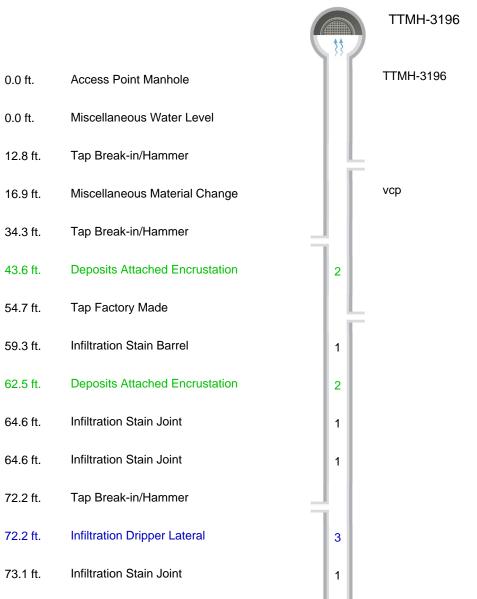
Pipe Size: 12 Total Ln.: 252 Inspected Ln.: 205

Project Total Ln.: 252.0 Project Inspected Ln.: 205.0



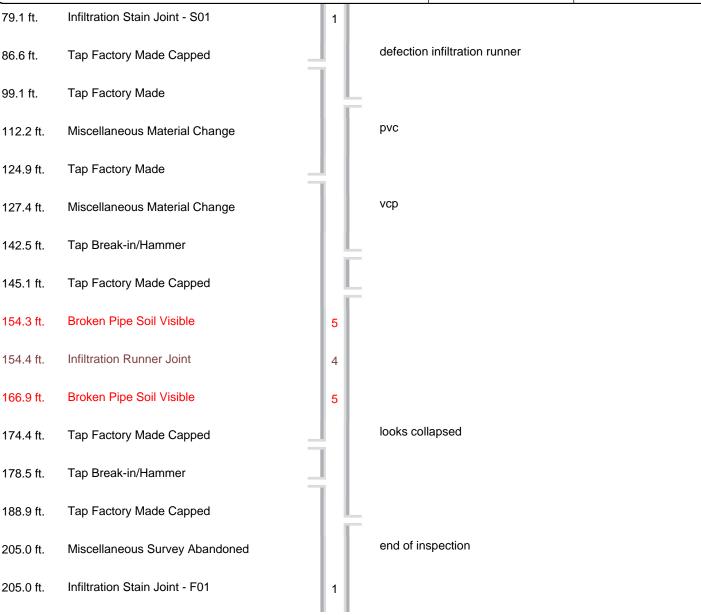
		<u> </u>	Matarial			
Pipe Segment Refere	City	Street	Material		Location C	Pipe Use
TTMH-3196_MH-18831	Lynn	South Street	PolyVinyl Chloride		Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Shape		Location Details	
MH-18831	252		Circular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
TTMH-3196	205		12	12	3	

SPR	MPR	PO Number			Customer	
CDDI	MDDI				City of Lynn	
SPRI	MPRI	Work Order Numbe	er		Purpose	
QSR	QMR		Ma		aintenance Related	
OPR	Surveyed By	Direction	Date		Medi	a label
	W.Martinez	Upstream	2018	20181227		27-18
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather	
	U-213-17282	Light Cleaning	11:19		Dry - No P	
	Date Cleaned		End Time Add		Additio	nal Info
	20181227		11:	:34		





Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
TTMH-3196_MH-18831	Lynn	South Street	PolyViny	Chloride	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sha	pe Location Details		n Details
MH-18831	252		Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
TTMH-3196	205		12	12	3	
SPR	MPR	PO Number		Customer		
SPRI	MPRI			City of Lynn		
SPRI	MPRI	Work Order Numl	ber		Purpose	
QSR	QMR			N	laintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Media	a label
	W.Martinez	Upstream	2018	1227	12-2	7-18
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather	
	U-213-17282	Light Cleaning	11	:19	Dry - No P	
<u> </u>	Date Cleaned		End	Time	Additio	nal Info
	20181227		11	:34		





Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use	
TTMH-3196_MH-18831	Lynn	South Street	PolyViny	l Chloride	Local/Rura	Sanitary S	
Upstream MH	Total Length	Year Constructed	Sh	ape	Location	n Details	
MH-18831	252		Circ	ular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
TTMH-3196	205		12	12	3		
SPR	MPR	PO Number		Customer			
CDDI	MDDI	1		City of Lynn			
SPRI	MPRI	Work Order Numb	er		Purpose		
QSR	QMR			M	laintenance Rela	ited	
OPR	Surveyed By	Direction	Da	ate	Media	a label	
	W.Martinez	Upstream	2018	1227	12-2	7-18	
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather		
	U-213-17282	Light Cleaning	11	11:19 Dry - No F			
	Date Cleaned	-	End	Time	Additio	Additional Info	
l	20181227		11	:34			





Project Summary

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

Project Name	: City of Lyn	City of Lynn Clean and CCTV WE 12-28-18									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH-18831	TTMH-3196	MH18831_TTMH-3196	12/27/2018	South Street	PolyVinyl Chloride	12	0	47			

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 47

Project Total Ln.: 0.0 Project Inspected Ln.: 47.0



Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH18831_TTMH-3196	Lynn	South Street	PolyViny	l Chloride	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sha	ape Location Detail		n Details
MH-18831	N/A		Circ	Circular		
Downsstream MH	Length surveyed	Year Renewed	Height Width		Pipe Joint	
TTMH-3196	47		12	12	3	
SPR	MPR	PO Number		Customer		
SPRI	MPRI	1		City of Lynn		
SFRI	IVIPRI	Work Order Number	er		Purpose	
QSR	QMR			М	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1227	12-2	27-18
OPRI	Certificate Number	Pre-Cleaning	Time		Weather	
	U-213-17282	Light Cleaning	10	10:53 Dry - No		
Date Cleaned		-	End	Time	Additio	onal Info
20181227			10	:59		





# **Project Summary**

Project Name	: City of Lyn	n Clean and CCTV WE	12-28-18					
US MH	DS MH	DS MH Pipe ID Date Street Material Size Tota						
MH-18836	TTMH-3681	TTMH-3681_MH-18836	12/27/2018	South Street	Vitrified Clay Pipe	12	0	9

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 9

Project Total Ln.: 0.0 Project Inspected Ln.: 9.0

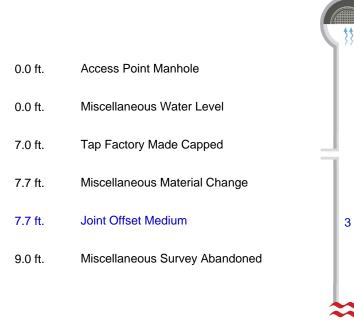
Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



### **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
TTMH-3681_MH-18836	Lynn	South Street	Vitrified (	Clay Pipe	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sha	ape	Location	n Details
MH-18836			Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
TTMH-3681	9		12	12	3	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	1			City of Lynn	
SPRI	WPRI	Work Order Number	er		Purpose	
QSR	QMR			М	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Media	a label
	W.Martinez	Upstream	2018	1227	12-2	7-18
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather	
	U-213-17282	17282 Light Cleaning 07:35		:35	Dry - No P	
	Date Cleaned		End	Time	Additional Info	
	20181221		07:	:38		



TTMH-3681

TTMH-3681

pvc

cannot get offset joint



Project Summary

Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

Project Name	Project Name: Lynn Water - Sewer Commission CCTV WE 11-23-18										
US MH DS MH Pipe ID Date Street Mat						Size	Total	Insp			
MH-18841	MH-18836	MH-18841_MH-18836	11/19/2018	South Street	PolyVinyl Chloride	12	0	3			

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 3

Project Total Ln.: 0.0 Project Inspected Ln.: 3.0



0.0 ft.

0.0 ft.

3.0 ft.

Access Point Manhole

Water Level

Survey Abandoned

### Defect Listing Plot with Images

401-265-3221

Pipe Segme	ent Refere	Ci	ity	Street	Mat	terial	Location C	Sewer Use	
MH-18841_	_MH-18836	Lynn	- MA	South Street	PolyViny	l Chloride	Light High	Combined	
Upstrea	am MH	Total L	_ength	Year Laid	Sh	ape	Location	n Details	
MH-1	8841				Circ	cular			
DS Manhole MH-18836 SPR N/A		Length surveyed		Year Renewed	Height	Width	Pipe Joint		
		3	3		12	12			
		MPR	N/A	PO Number		Customer			
CDDI	N1/A	MDDI	NI/A	-			Stantec		
SPRI	N/A	MPRI	N/A	Work Order			Purpose		
QSR	N/A	QMR	N/A			M	Maintenance Related		
OF	PR	Survey	ed By	Direction	D	ate	Media	a label	
N/	Ά	M_Da	avert	Downstream	2018	31119	11-1	9-18	
OP	PRI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather		
N/	Ά	0700	3881	Heavy Cleaning	08	:34	Light Rain		
		Date Cleaned		•	End Time		Additional Info		
		2018	1119		08	:35			



MH-18841

MH-18841

Too Much Debris in Pipe. Jet getting stuck on DS Side.



# **Project Summary**

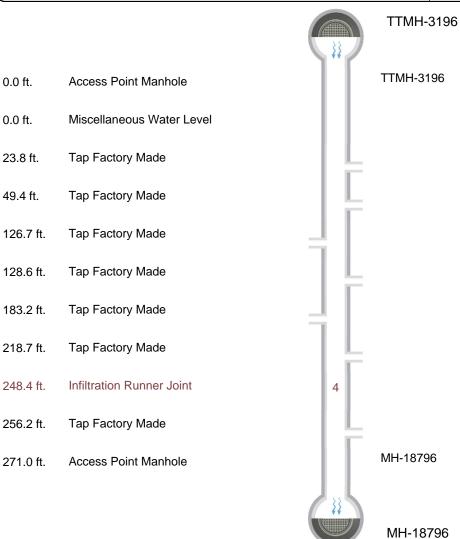
Project Nam	e: City of Lyn	n Clean and CCTV WE	12-28-18						
US MH	DS MH	S MH Pipe ID Date Street Material Size Total Insp							
TTMH-3196	MH-18796	TTMH-3196_MH-18796	12/27/2018	South Street	PolyVinyl Chloride	12	271	271	

Pipe Size: 12 Total Ln.: 271 Inspected Ln.: 271

Project Total Ln.: 271.0 Project Inspected Ln.: 271.0



Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
TTMH-3196_MH-18796	Lynn	South Street	PolyViny	l Chloride	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sh	ape	Locatio	n Details
TTMH-3196	271		Circ	cular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18796	271		12	12	3	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	-		City of Lynn		
SFRI	IVIFKI	Work Order Number	er		Purpose	
QSR	QMR			l N	laintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1227	12-2	27-18
OPRI	Certificate Number	Pre-Cleaning	Tir	Time Weather 11:42 Dry - No P		
	U-213-17282	Light Cleaning	11			
Date Cleaned		•	End	Time	Additional Info	
	20181227		11	11:57		_





# **Project Summary**

Project Name	: City of Lyn	n Clean and CCTV WE	12-21-18						
US MH	DS MH	MH Pipe ID Date Street Material Size Total Insp							
TTMH-3681	MH-18681	TTMH-3681_MH-18681	12/20/2018	South Street	Vitrified Clay Pipe	12	90	90	

Pipe Size: 12 Total Ln.: 90 Inspected Ln.: 90

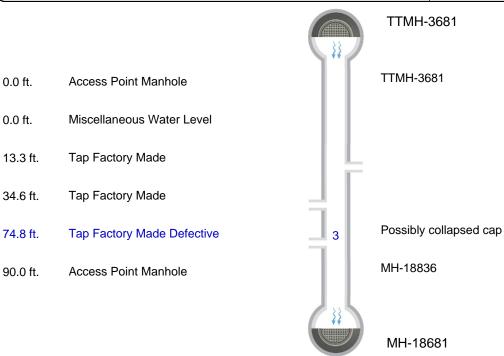
Project Total Ln.: 90.0 Project Inspected Ln.: 90.0

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



### **Defect Listing Plot**

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
TTMH-3681_MH-18681	LYNN	South Street	Vitrified (	Clay Pipe	Local/Rura	Combined P
Upstream MH	Total Length	Year Constructed	Sha	ape	Locatio	n Details
TTMH-3681	90		Circ	ular	Video disp	lays inco
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18681	90		12	12	3	$oxed{oxed}$
SPR	MPR	PO Number		Customer		
SPRI	MPRI	-			City of Lynn	
SFRI	MPKI	Work Order Number	er	Purpose		
QSR	QMR			Ma	intenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1220	12-2	20-18
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather	
	U-213-17282	Heavy Cleaning	13:	:02	Dry - No P	
	Date Cleaned		End	End Time		nal Info
20181220			13:	:08		





# **Project Summary**

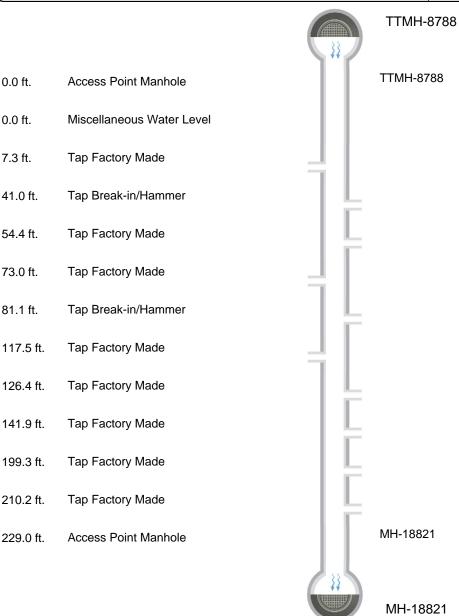
Project Name	: City of Lyn	n Clean and CCTV WE	12-28-18						
US MH	DS MH	MH Pipe ID Date Street Material Size Total Insp							
TTMH-8788	MH-18821	TTMH-8788_MH-18821	12/27/2018	South Street	PolyVinyl Chloride	18	229	229	

Pipe Size: 18 Total Ln.: 229 Inspected Ln.: 229

Project Total Ln.: 229.0 Project Inspected Ln.: 229.0



Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
TTMH-8788_MH-18821	Lynn	South Street	PolyViny	l Chloride	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sh	ape	Locatio	n Details
TTMH-8788	229		Circ	cular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18821	229		18	18	13	$oxed{oxed}$
SPR	MPR	PO Number			Customer	
SPRI	MPRI	$\dashv$		City of Lynn		
SPRI	WPRI	Work Order Number	er		Purpose	
QSR	QMR			M	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1227	12-2	27-18
OPRI	Certificate Number	Pre-Cleaning	Tir	Time Weather 13:43 Dry - No P		
	U-213-17282	Light Cleaning	13			
Date Cleaned		•	End	Time	Additio	nal Info
	20181227		13	13:51		_





# **Project Summary**

I	Project Name	: City of Lyn	n Clean and CCTV WE	12-28-18						
	US MH	DS MH	S MH Pipe ID Date Street Material Size Total Insp							
	TTMH-8826	MH-18826	TTMH-8826_MH-18826	12/27/2018	South Street	PolyVinyl Chloride	18	20	20	

Pipe Size: 18 Total Ln.: 20 Inspected Ln.: 20

Project Total Ln.: 20.0 Project Inspected Ln.: 20.0

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



### **Defect Listing Plot**

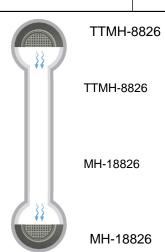
401-943-5302

Pipe Segment Refere	City	Street	iviat	enai	Location C	Pipe Use
TTMH-8826_MH-18826	Lynn	South Street	PolyVinyl	Chloride	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sha	ape	Location	n Details
TTMH-8826	20		Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18826	20		18	18	13	
SPR	MPR	PO Number		Customer		
CDDI	MDDI	-			City of Lynn	
SPRI	MPRI	Work Order Number	er	Purpose		
QSR	QMR			Ma	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Media	a label
	W.Martinez	Downstream	2018	1227	12-2	7-18
OPRI	Certificate Number	Pre-Cleaning	Tir	ne	Weather	
	U-213-17282	Light Cleaning	14:	:04	Dry - No P	
	Date Cleaned		End	Time	Additio	nal Info
	20181227		14:	:05		

0.0 ft. Access Point Manhole

0.0 ft. Miscellaneous Water Level

20.0 ft. Access Point Manhole





Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

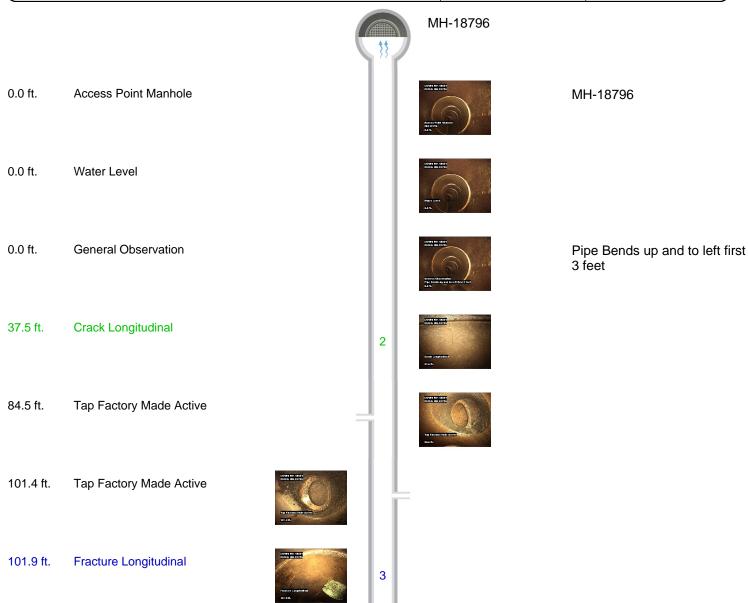
Project Name	: Lynn Wate	nn Water - Sewer Commission CCTV WE 10-19-18									
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH-18801	MH-18796	MH-18796_MH-18801_ Rev	. 10/18/2018	South Street Court	Vitrified Clay Pipe	12	249	210			

Pipe Size: 12 Total Ln.: 249 Inspected Ln.: 210

Project Total Ln.: 249.0 Project Inspected Ln.: 210.0

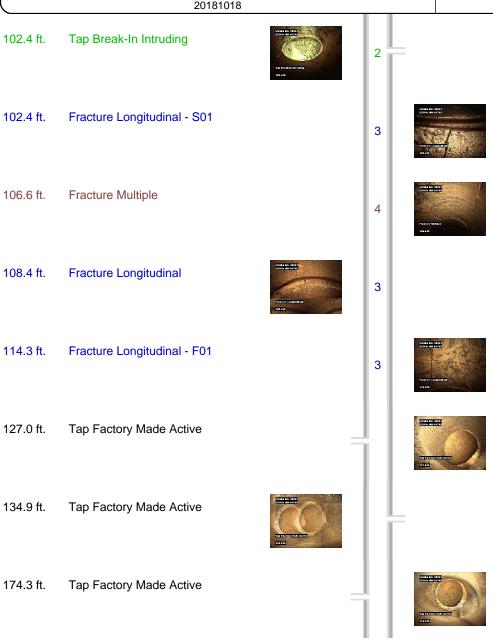


Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18796_M	H-18801_R	Lynr	n- Ma	South Street Court	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total Length		Year Laid	Sh	ape	Locatio	n Details
MH-1	MH-18801		49		Circ	cular		
DS Ma	anhole	Length surveyed		Year Renewed	Height	Width	Pipe Joint	
MH-18796		2	10		12	12		
SPR	18	MPR	9	PO Number		Customer		
SPRI	3	MPRI	1.8	1			Stantec	
SFRI	3	IVIFKI	1.0	Work Order			Purpose	
QSR	4134	QMR	2411		Ma		aintenance Rela	ated
OF	PR	Surveyed By		Direction	Date		Media label	
2	7	Chris_M		Upstream	20181018		10-1	8-18
OF	PRI	Certificat	e Number	Pre-Cleaning	Time		Weather	
2.	2.5		3-7625	Heavy Cleaning	10:48		Dry	
	Date Cleaned				End Time		Additional Info	
	20181018				11	:04		



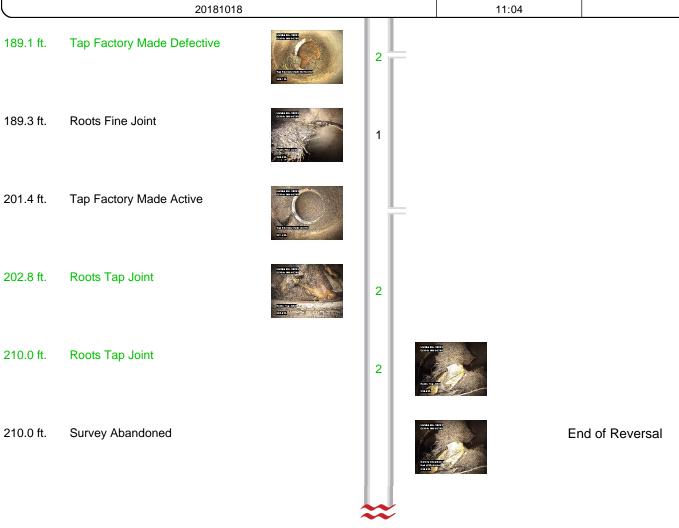


Pipe Segme	ent Refere	С	ity	Street	Mate	erial	Location C	Sewer Use
MH-18796_M	IH-18801_R	Lynn- Ma		South Street Court	Vitrified Clay Pipe		Light High	Combined
Upstre	am MH	Total Length		Year Laid	Sha	ape	Location Details	
MH-1	8801	2	49		Circ	ular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8796	2	10		12	12		
SPR	18	MPR	9	PO Number		Customer		
SPRI	3	MPRI	1.8			Stantec		
	-			Work Order		Purpose		
QSR	4134	QMR	2411			M	aintenance Rela	ted
O	PR	Surve	yed By	Direction	Da	ite	Media	alabel
2	7	Chri	is_M	Upstream	2018	1018	10-1	8-18
OF	PRI	Certificat	e Number	Pre-Cleaning	Tir	ne	Weather	
2	.5	10-08	3-7625	Heavy Cleaning	10:	48	Dry	
	Date Cleaned		Cleaned		End	Time	Addition	nal Info
		2018	31018		11:	04		





Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18796_N	1H-18801_R	Lynr	n- Ma	South Street Court	Vitrified (	Clay Pipe	Light High	Combined
Upstre	eam MH	Total Length		Year Laid	Sha	ape	Location Details	
MH-	18801	2	49		Circ	ular	lar  Width Pipe Joint	
DS M	anhole	Length	surveyed	Year Renewed	Height	Width		
MH-	MH-18796 2		10		12	12		
SPR	18	MPR	9	PO Number		Customer		
SPRI	3	MPRI	1.8	-		Stantec		
JFKI	3	IVIFKI	1.0	Work Order			Purpose	
QSR	4134	QMR	2411			M	aintenance Rela	ited
0	PR	Surve	yed By	Direction	Da	Date Media labe		alabel
2	27	Chri	is_M	Upstream	2018	1018	10-1	8-18
0	PRI	Certificat	e Number	Pre-Cleaning	Tir	me	Weather	
2	2.5 10-08-7625 Date Cleaned		3-7625	Heavy Cleaning	10:	10:48 Dry		
			Cleaned		End	Time	Additio	nal Info
	20181018				11:	:04		





Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

Project Name: Lynn Water - Sewer Commission CCTV WE 10-19-18											
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
MH-18801	MH-18796	MH-18801_MH-18796	10/18/2018	South Street Court	Vitrified Clay Pipe	12	0	39			

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 39

Project Total Ln.: 0.0 Project Inspected Ln.: 39.0



Pipe Segme	ent Refere	C	ity	Street	Mat	erial	Location C	Sewer Use
MH-18801 <sub>-</sub>	_MH-18796	Lynr	n- Ma	South Street Court	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total Length		Year Laid	Sh	ape	Location	Details
MH-1	8801				Circ	ular		
DS Ma	DS Manhole		surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8796	3	9		12	12		
SPR	N/A	MPR	9	PO Number			Customer	
SPRI	N/A	MPRI	1.8	†			Stantec	
SPRI	IN/A	IVIPRI	1.0	Work Order			Purpose	
QSR	N/A	QMR	2411			М	Maintenance Related	
OI	PR	Surve	yed By	Direction	Date		Media label	
	9	Chri	is_M	Downstream	2018	1018	10-1	8-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	me	Weather	
1	1.8		3-7625	Heavy Cleaning	10	:24	Dry	
	Date Cleaned				End Time		Additional Info	
	2018101		31018		10	:38		





401-265-3221

Pipe Segme	nt Refere	C	ity	Street	Mat	erial	Location C	Sewer Use
MH-18801_	MH-18796	Lynr	n- Ma	South Street Court	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total Length		Year Laid	Sh	ape	Location	n Details
MH-18801					Circ	cular		
DS Ma	DS Manhole		surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18796		3	39		12	12		
SPR	N/A	MPR	9	PO Number			Customer	
SPRI	N/A	MPRI	1.0	1			Stantec	
SPRI	IN/A	IVIPRI	1.8	Work Order			Purpose	
QSR	N/A	QMR	2411			М	aintenance Rela	ated
OF	PR	Surveyed By		Direction	Date		Media label	
9	)	Chris_M		Downstream	20181018		10-1	8-18
OP	RI	Certificat	e Number	Pre-Cleaning	Time		Weather	
1.	8	10-08-7625		Heavy Cleaning	10:24		Dry	
	Date Cleaned			•	End Time		Additional Info	
	20181018				10	:38		

39.0 ft. Survey Abandoned



Cannot get past Roots

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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

Pr	oject Name	ne: Lynn Water - Sewer Commission CCTV WE 10-19-18										
	US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp			
ľ	MH-18806	MH-18801	MH-18801_MH-18806	10/18/2018	South Street Court	Vitrified Clay Pipe	10	243	243			

Pipe Size: 10 Total Ln.: 243 Inspected Ln.: 243

Project Total Ln.: 243.0 Project Inspected Ln.: 243.0



401-265-3221

Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18801 <sub>-</sub>	_MH-18806	Lynr	n- Ma	South Street Court	Vitrified (	Clay Pipe	Light High	Combined
Upstre	am MH	Total Length		Year Laid	Shape		Location	n Details
MH-1	MH-18806		43		Circ	cular		
DS Ma	anhole	Length surveyed		Year Renewed	Height	Width	Pipe Joint	
MH-1	MH-18801		43		10	10		
SPR	41	MPR	9	PO Number			Customer	
SPRI	2.2	MPRI	2.3	1			Stantec	
SPRI	2.2	IVIPRI	2.3	Work Order			Purpose	
QSR	5143	QMR	3123			Ma	Maintenance Related	
IO	PR	Surveyed By		Direction	Date		Media label	
5	0	Chris_M		Upstream	20181018			
OF	PRI	Certificate Number		Pre-Cleaning	Time		Weather	
2	.2	10-08-7625		Heavy Cleaning	09:52		Dry	
		Date C	Cleaned	•	End 7		End Time Additional Ir	
		2018	31018		10	:17		

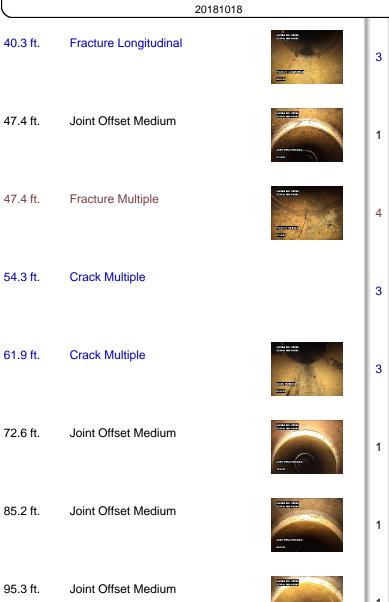


MH-18801 0.0 ft. Access Point Manhole 0.0 ft. Water Level 10.5 ft. Joint Offset Large 2 24.6 ft. **Deposits Attached Grease** 2 30.5 ft. **Deposits Attached Grease** 3 35.0 ft. Shape or Size Change 37.1 ft. Joint Separated Medium

MH-18801

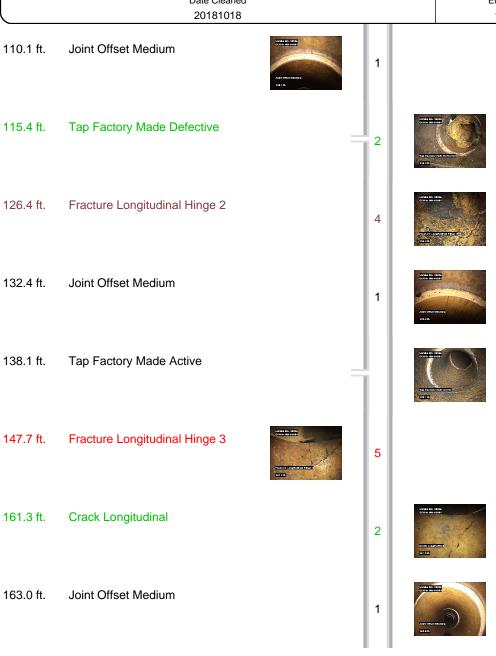


Pipe Segm	ent Refere	Ci	ity	Street	Mate	erial	Location C	Sewer Use
MH-18801	_MH-18806	Lynn	n- Ma	South Street Court	Vitrified (	Clay Pipe	Light High	Combine
Upstre	eam MH	Total I	_ength	Year Laid	Shape Location		Locatio	
MH-1	18806	24	43		Circ	ular	r	
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	18801	24	43		10	10		
SPR	41	MPR	9	PO Number			Customer	
SPRI	2.2	MPRI	2.3			Stantec Purpose		
OI IXI	2.2	IVII IXI		Work Order				
QSR	5143	QMR	3123			M	aintenance Rela	ted
0	PR	Surve	yed By	Direction	Da	ite	Media	label
5	50	Chri	s_M	Upstream	2018	1018		
O	PRI	Certificate	e Number	Pre-Cleaning	Tin	ne	Weather	
2	2.2	10-08	-7625	Heavy Cleaning	09:	52	Dry	
	Date Cleaned 20181018		leaned		End <sup>-</sup>	Time	Addition	nal Info
				10:	17			



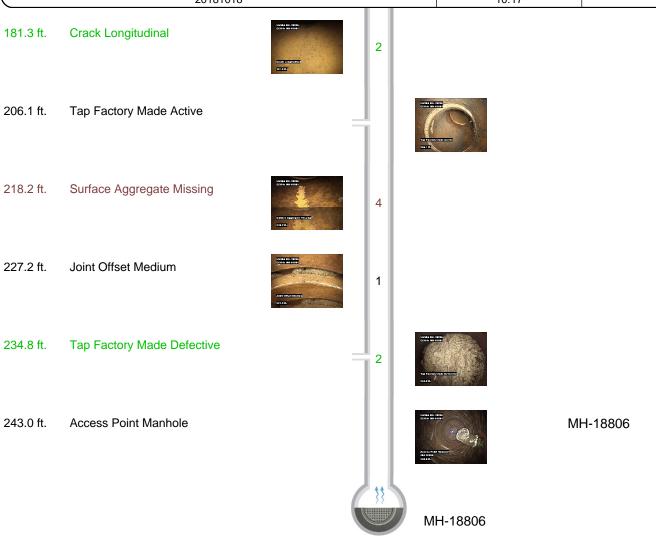


Pipe Segme	ent Refere	Ci	ity	Street	Mat	terial	Location C	Sewer Use
MH-18801	_MH-18806	Lynr	n- Ma	South Street Court	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	_ength	Year Laid	Sh	ape	Location	Details
MH-1	MH-18806 243		43		Circ	cular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8801	24	43		10	10		
SPR	41	MPR	9	PO Number			Customer	
SPRI	2.2	MPRI	2.3			Stantec		
	2.2	IVII TXI		Work Order		Purpose		
QSR	5143	QMR	3123			l N	laintenance Rela	ted
OI	PR	Surve	yed By	Direction	D	ate	Media	alabel
5	60	Chri	s_M	Upstream	2018	31018		
OF	PRI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather	
2	.2	10-08	-7625	Heavy Cleaning	09	:52	Dry	
		Date C	leaned		End	Time	Additio	nal Info
		2018	1018		10	:17		





Pipe Segm	ent Refere	Ci	ty	Street	Mate	erial	Location C	Sewer Use
MH-18801	_MH-18806	Lynn	ı- Ma	South Street Court	Vitrified (	Clay Pipe	Light High	Combined
Upstre	eam MH	Total I	_ength	Year Laid	Shape		Location	n Details
MH-	18806	243			Circ	ular		
DS M	lanhole	Length surveyed		Year Renewed	Height	Width	Pipe Joint	
MH-	18801	243			10	10		
SPR	SPR 41 M		9	PO Number		Customer		
SPRI	2.2	MPRI	2.3				Stantec	
SPRI	2.2	IVIPRI	2.3	Work Order			Purpose	
QSR	5143	QMR	3123			Ma	aintenance Rela	ated
C	PR	Surve	ed By	Direction	Date		Media label	
	50	Chri	s_M	Upstream	20181018			
0	PRI	Certificate	e Number	Pre-Cleaning	Tir	ne	Weather	
2	2.2		-7625	Heavy Cleaning	09:52		Dry	
	Date Cleaned				End '	Time	Additional Info	
	20181018				10:	:17		



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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

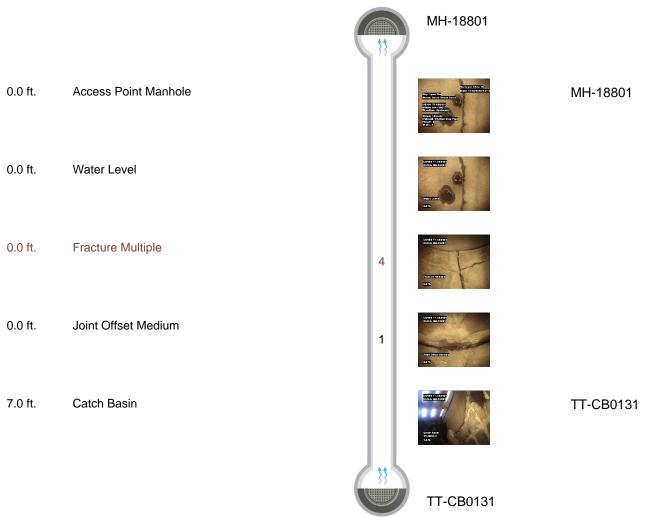
Project Name	: Lynn Wate	Lynn Water - Sewer Commission CCTV WE 10-19-18											
US MH	DS MH	S MH Pipe ID Date Street Material Size Total Insp											
TT-CB0131	MH-18801	MH-18801_TT-CB0131	10/18/2018	South Street Court	Vitrified Clay Pipe	8	7	7					

Pipe Size: 8 Total Ln.: 7 Inspected Ln.: 7

Project Total Ln.: 7.0 Project Inspected Ln.: 7.0



Pipe Segme	ent Refere	Ci	ty	Street	Mat	erial	Location C	Sewer Use
MH-18801_	TT-CB0131	Lynn	- Ma	South Street Court	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total Length		Year Laid	Sh	ape	Location	n Details
TT-CI	30131	7	,		Circ	cular		
DS M	anhole	Length s	urveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8801	7	,		8	8		
SPR	5	MPR	N/A	PO Number		Customer		
SPRI	2.5	MPRI	N/A			Stantec		
SPRI	2.5	IVIPRI	IN/A	Work Order			Purpose	
QSR	4111	QMR	N/A			Ma	intenance Rela	ated
Ol	PR	Survey	ed By	Direction	Direction Da		Media	a label
	5	Chris	s_M	Upstream	2018	1018	10-1	8-18
OF	OPRI Certificate Number		Number	Pre-Cleaning	Time		Weather	
2	2.5 10-08-7625		No Pre-Cleaning	09:22		Dry		
		Date C	leaned		End	Time	Additio	nal Info
					09	:27		





Project Summary

Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

Pro	oject Name	: Lynn Wate	ynn Water - Sewer Commission CCTV WE 11-2-18										
	US MH	DS MH	S MH Pipe ID Date Street Material Size Total Insp										
M	/IH-18721	MH-18726	18726 MH-18726_MH-18721 11/1/2018 South Street Place Vitrified Clay Pipe 8 75										

Pipe Size: 8 Total Ln.: 75 Inspected Ln.: 75

Project Total Ln.: 75.0 Project Inspected Ln.: 75.0



401-265-3221

Pipe Segme	ent Refere	Ci	ty	Street	Mat	erial	Location C	Sewer Use
MH-18726	_MH-18721	Lynn	- MA	South Street Place	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total L	_ength	Year Laid	Sh	ape	Locatio	n Details
MH-1	8721	7	5		Circ	cular		
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8726	7	5		8	8		
SPR	35	MPR	4	PO Number		Customer		
SPRI	2.5	MPRI	2	1			Stantec	
SPRI	3.5	IVIPRI		Work Order			Purpose	
QSR	5143	QMR	2200			Ma	aintenance Rela	ated
Ol	PR .	Survey	ed By	Direction	Direction Da		Medi	a label
3	9	M_Da	avert	Upstream	Upstream 2018		11-	1-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Ti	Time Weather		
3	3.3 07003881		Jetting	Jetting 14:58		14:58 Dry		
		Date C	leaned		End	Time	Additio	nal Info
		2018	1101		15	:08		



MH-18726 0.0 ft. Access Point Manhole 0.0 ft. Water Level 9.6 ft. Fracture Longitudinal - S01 3 11.5 ft. Fracture Longitudinal 3 13.7 ft. Fracture Longitudinal 3 13.9 ft. Deformed Vertically - S02 4 Fracture Multiple 15.8 ft.





Location C...



Pipe Segment Refere...

City

# Defect Listing Plot with Images Street

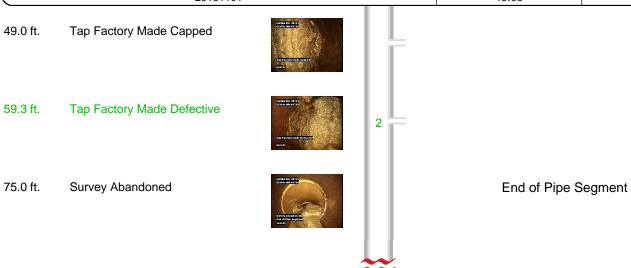
401-265-3221

Sewer Use

	26_MH-18721	Lynn-	- MA	South Str	eet Pl	ace	Vitrified	Clay Pipe	Light High	Combined
	stream MH	Total L		Year				ape		n Details
MI	H-18721	75	5				Circ	cular		
	Manhole	Length s	urveyed	Year Re	enewed	i	Height	Width	Pipe Joint	
MI	H-18726	75	5				8	8		
SPR	35	MPR	4		PO	Number			Customer	
SPRI	3.5	MPRI	2						Stantec	
					Wor	k Order			Purpose	
QSR	5143	QMR	2200						laintenance Rela	
	OPR	Survey		Direc				ate		a label
	39 OPRI	M_Da Certificate		Upstr Pre-Cle				31101 me	Weather	1-18
	3.3	0700;		Jett				:58	Dry	
	0.0	Date CI		3011	iiig			Time		nal Info
		2018						:08	, taaiiis	]
17.4 ft. 17.6 ft. 22.2 ft.	Tap Factory M  Hole Void Visit	ble			5					
23.8 ft.	Tap Factory M	ade Capped		=		Other services	200			
26.0 ft.	Fracture Longi	itudinal - F01			3	President and Pr	8			
26.0 ft.	Deformed Veri	tically - F02			4	Contract of the Contract of th	8-			
37.2 ft.	Water Level					Committee and Co				
42.7 ft.	Water Level					United Bills of Control of Contro				



Pipe	Segment Refere	С	ity	Street	Mat	erial	Location C	Sewer Use	
MH-1	8726_MH-18721	Lynr	n- MA	South Street Place	Vitrified (	Clay Pipe	Light High	Combined	
l	Jpstream MH	Total I	Length	Year Laid	Sha	ape	Location	Details	
	MH-18721	7	'5		Circ	ular			
	DS Manhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint		
	MH-18726	7	<b>'</b> 5		8	8			
SPR	35	MPR	4	PO Number			Customer		
SPRI	2.5	MPRI		-			Stantec		
SPRI	3.5	IVIPRI	2	Work Order			Purpose		
QSR	5143	QMR	2200			Ma	Purpose Maintenance Related		
	OPR	Surve	yed By	Direction	Da	ate	Media	alabel	
	39	M_D	avert	Upstream	2018	1101	11-1	1-18	
	OPRI	Certificat	e Number	Pre-Cleaning	Tir	me	Weather		
	3.3	0700	3881	Jetting	14:	:58	Dry		
		Date C	Cleaned	•	End	Time	Additional Info		
		2018	31101		15:	:08			





Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

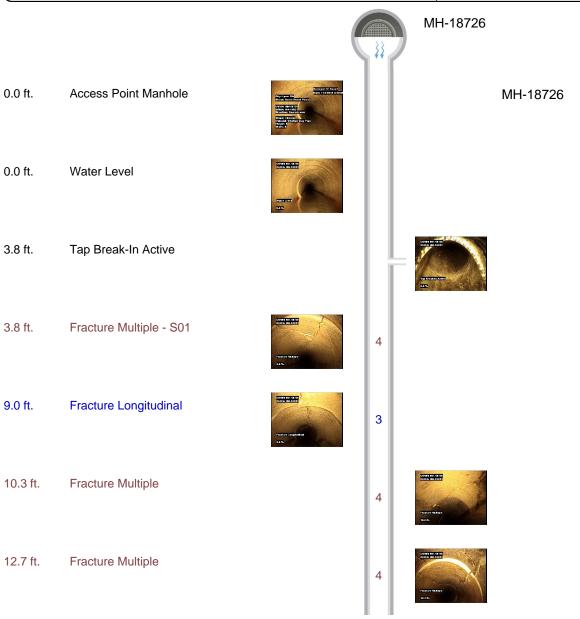
Project Name	Project Name: Lynn Water - Sewer Commission CCTV WE 11-2-18												
US MH	DS MH	S MH Pipe ID Date Street Material Size Total											
MH-18726	MH-18821	MH-18726_MH-18821	11/1/2018	South Street Place	Vitrified Clay Pipe	8	125	125					

Pipe Size: 8 Total Ln.: 125 Inspected Ln.: 125

Project Total Ln.: 125.0 Project Inspected Ln.: 125.0



Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18726	_MH-18821	Lynn	ı- MA	South Street Place	Vitrified (	Clay Pipe	Light High	Combined
Upstre	eam MH	Total I	_ength	Year Laid	Sha	ape	Location	n Details
MH-	18726	12	25		Circ	ular		
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-	18821	12	25		8	8		
SPR	49	MPR	6	PO Number		Customer		
SPRI	3.8	MPRI	3	†		Stantec		
SPRI	3.0	IVIPRI	ა 	Work Order		Purpose		
QSR	5149	QMR	4121			Ma	aintenance Rela	ated
0	PR	Surve	yed By	Direction	Da	ate	Media	a label
	55	M_D	avert	Downstream	2018	1101	11-	1-18
O	PRI	Certificate	e Number	Pre-Cleaning	Tiı	ne	Weather	
3	3.7	0700	3881	Jetting	15	5:13 Dry		
	Date Cleaned				End	End Time		nal Info
		2018	1101		15	:25		



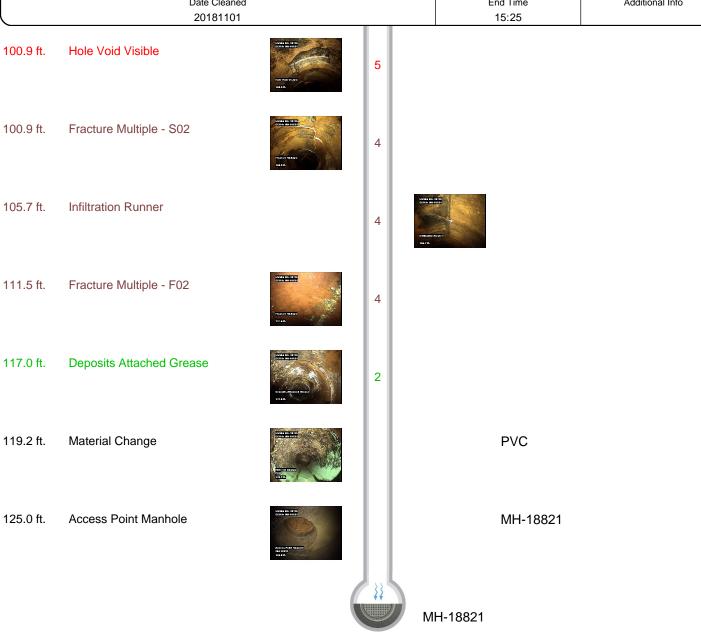


Pipe Segme	ent Refere	Ci	ty	Street	Mat	erial	Location C	Sewer Use
MH-18726_	_MH-18821	Lynn	- MA	South Street Place	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total L	_ength	Year Laid	Sh	ape	Locatio	n Details
MH-1	8726	12	25		Circ	cular		
DS Ma	anhole	Length s	urveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8821	12	25		8	8		
SPR	49	MPR	6	PO Number		Customer		
SPRI	3.8	MPRI	3	-			Stantec	
SPRI	3.6	IVIPRI	ა 	Work Order			Purpose	
QSR	5149	QMR	4121			Ma	aintenance Rela	ated
OF	PR	Survey	ed By	Direction	Da	ate	Medi	a label
5	5	M_Da	avert	Downstream	2018	31101	11-	1-18
OF	rRI	Certificate	e Number	Pre-Cleaning	Ti	Time Weather		
3.	7	0700	3881	Jetting	15	15:13 Dry		
		Date C	leaned	•	End	Time	Additio	onal Info
		2018	1101		15	:25		_





MH-18726_MH-18821         Lynn- MA         South Street Place         Vitrified Clay Pipe         Light High           Upstream MH MH-18726         Total Length         Year Laid         Shape Circular         Location           DS Manhole MH-18821         Length surveyed         Year Renewed         Height Height         Width Width         Pipe Joint           SPR         49         MPR         6         PO Number         Customer	Combined n Details
MH-18726 125 Circular  DS Manhole Length surveyed Year Renewed Height Width Pipe Joint  MH-18821 125 8 8	n Details
DS Manhole Length surveyed Year Renewed Height Width Pipe Joint MH-18821 125 8 8	
MH-18821 125 8 8	
SDP 40 MDP 6 PO Number Customer	
OFIN 45   IVIFIN U	
SPRI 3,8 MPRI 3	
SPRI 3.8 MPRI 3 Work Order Purpose	
QSR 5149 QMR 4121 Maintenance Rel	ated
OPR Surveyed By Direction Date Med	a label
55 M_Davert Downstream 20181101 11-	1-18
OPRI Certificate Number Pre-Cleaning Time Weather	
3.7 07003881 Jetting 15:13 Dry	
Date Cleaned End Time Addition	onal Info
20181101 15:25	





Inland Waters Inc. 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Project Name	: CITY OF L	YNN CCTV								
US MH	DS MH	S MH Pipe ID Date Street Material Size Total Insp								
End East	MH-18391	MH-18391_End East	10/11/2018	Summer Street	Vitrified Clay Pipe	8	220	109		

Pipe Size: 8 Total Ln.: 220 Inspected Ln.: 109

Project Total Ln.: 220.0 Project Inspected Ln.: 109.0

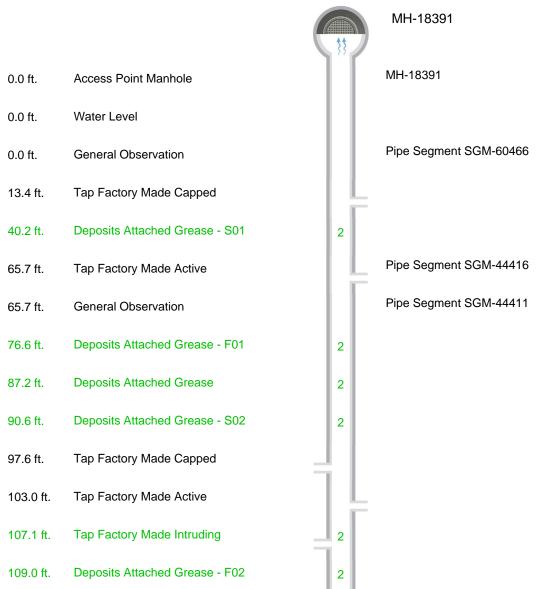
Inland Waters Inc. 275 Scituate Ave Johnston Rhode Island 02919



#### **Defect Listing Plot**

401-943-5302

Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18391	_End East	Ly	nn	Summer Street	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Sh	ape	Location	n Details
End	East	22	20		Circ	cular		
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-	8391	10	09		8	8		
SPR	0	MPR	26	PO Number		Customer		
CDDI	0	MDDI		-		Stantec		
SPRI	0	MPRI	2	Work Order		Purpose		
QSR	0000	QMR	2A00			M	aintenance Rela	ated
0	PR	Surve	yed By	Direction	Da	ate	Media	a label
2	26	Chri	is_M	Upstream	2018	31011	10-1	1-18
OI	PRI	Certificat	e Number	Pre-Cleaning	Tir	Time Weather		
	2	10-08	3-7625	Jetting	12	17 Damp		
	Date Cleaned				End	Time	Additio	nal Info
		2018	31011		12	:34		





### **Defect Listing Plot**

401-943-5302

Pipe Segment Refere		City		Street	Material		Location C	Sewer Use
MH-18391_End East		Lynn		Summer Street	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Sh	ape	Location Details	
End	East	220			Circ	cular		
DS Ma	anhole	Length surveyed		Year Renewed	Height	Width	Pipe Joint	
MH-1	8391	10	09		8	8		
SPR	0	MPR	26	PO Number			Customer	
SPRI	0	MPRI	2			Stantec		
SPRI	U	IVIPRI	2	Work Order			Purpose	
QSR	0000	QMR	2A00			Ma	laintenance Related	
OI	PR	Surve	yed By	Direction	Da	Date		a label
2	6	Chris_M		Upstream	20181011		10-1	1-18
OF	OPRI		e Number	Pre-Cleaning	Time		Weather	
2		10-08-7625		Jetting	12:17		Damp	
Date Cleaned					End Time		Additional Info	
		2018	31011		12	:34		

109.0 ft. Survey Abandoned

Cant Get Past Intruding Tap. No MH for Reversal.

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Inland Waters Inc 275 Scituate Ave Johnston Rhode Island 02919 401-265-3221

# **Project Summary**

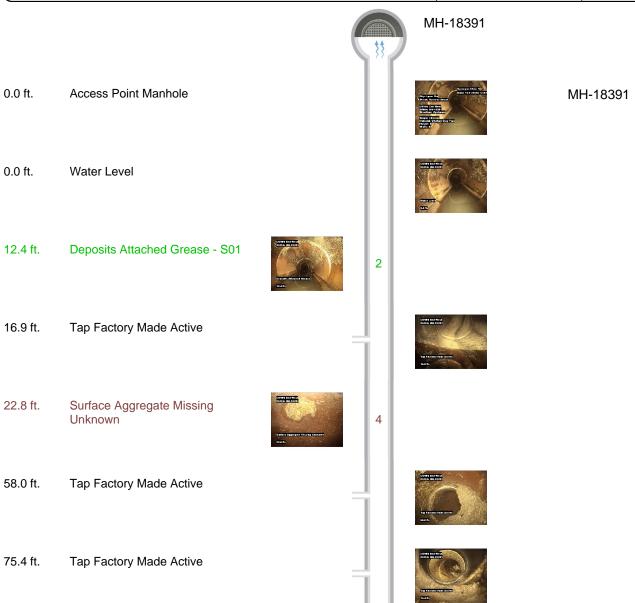
Project Name	: Lynn Wate	Lynn Water - Sewer Commission CCTV WE 10-12-18										
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp				
End West	MH-18391	MH-18391_End West	10/11/2018	Summer Street	Vitrified Clay Pipe	8	203	203				

Pipe Size: 8 Total Ln.: 203 Inspected Ln.: 203

Project Total Ln.: 203.0 Project Inspected Ln.: 203.0

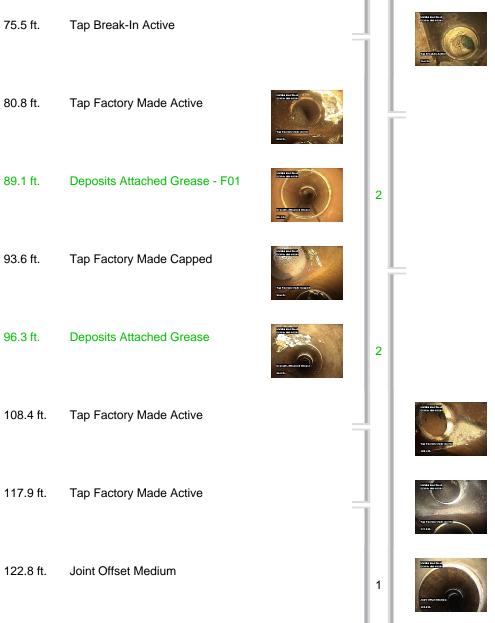


Pipe Segment Refere		City		Street	Material		Location C	Sewer Use	
MH-18391_End West		Lynn- Ma		Summer Street	Vitrified	Clay Pipe	Light High	Combined	
Upstrea	am MH	Total I	Length	Year Laid	Sh	ape	Location Details		
End '	West	20	03		Circ	cular			
DS Ma	anhole	Length surveyed		Year Renewed	Height	Width	Pipe Joint		
MH-1	8391	203			8	8			
SPR	5	MPR	34	PO Number			Customer		
SPRI	2.5	MPRI	2				Stantec		
SPRI	2.5	WPRI		Work Order			Purpose		
QSR	4111	QMR	2B00			Ma	laintenance Related		
OF	PR	Surve	yed By	Direction	Da	Date Media		a label	
3	9	Chri	s_M	Upstream	20181011		10-1	1-18	
OF	rRI	Certificate Number		Pre-Cleaning	Time		Weather		
2.1		10-08-7625		Jetting	14:24		Damp		
Date Cleaned					End Time		Additional Info		
		2018	1011		14	:34			





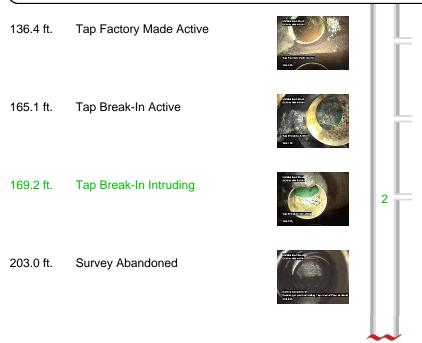
Pipe Segment Refere		City		Street	Material		Location C	Sewer Use
MH-18391_End West		Lynn- Ma		Summer Street	Vitrified	Clay Pipe	Light High	Combined
Upstrea	m MH	Total I	Length	Year Laid	Sh	ape	Locatio	n Details
End \	Vest	20	03		Circ	cular		
DS Ma	nhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	3391	20	03		8	8		
SPR	5	MPR	34	PO Number			Customer	
SPRI	2.5	MPRI	2	-		Stantec		
SPRI	2.5	WPRI	2	Work Order		Purpose		
QSR	4111	QMR	2B00			M	aintenance Rela	ated
OP	R	Surveyed By		Direction	Date		Media label	
39	9	Chris_M		Upstream	20181011		10-1	1-18
OP	OPRI		e Number	Pre-Cleaning	Time		Weather	
2.1		10-08-7625		Jetting	14:24		Damp	
	Date Cleaned					End Time Ad		nal Info
	20181011					:34		





401-265-3221

Pipe Segment Refere		ity	Street	Mat	terial	Location C	Sewer Use	
	MH-18391 End West		n- Ma	Summer Street		Vitrified Clay Pipe		Combined
Upstre	am MH	Total Length		Year Laid		ape	Light High Combin	
End	West	203			Circ	cular		
DS Ma	anhole	Length surveyed		Year Renewed	Height	Width	Pipe Joint	
MH-1	8391	20	03		8	8		
SPR	5	MPR	34	PO Number			Customer	
SPRI	2.5	MPRI	2	1			Stantec Purpose	
SPRI	2.5	IMPRI	2	Work Order				
QSR	4111	QMR	2B00			M	laintenance Related	
OI	PR	Surveyed By		Direction	Date		Media label	
3	19	Chri	is_M	Upstream	20181011		10-1	1-18
OF	PRI	Certificate Number		Pre-Cleaning	Time		Weather	
2	2.1		3-7625	Jetting	14:24		Damp	
	Date Cleaned					End Time		nal Info
	20181011					14:34		



Cannot get past Intruding Tap. End of Pipe at about 203'.



Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919 401-943-5302

# **Project Summary**

Pr	oject Name	: City of Lyn	City of Lynn Clean and CCTV WE 12-28-18										
	US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp				
N	MH-18811	MH-18831	MH-18811_MH-18831	12/27/2018	Summer Street	Vitrified Clay Pipe	12	215	215				

Pipe Size: 12 Total Ln.: 215 Inspected Ln.: 215

Project Total Ln.: 215.0 Project Inspected Ln.: 215.0



#### **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Material		Location C	Pipe Use	
MH-18811_MH-18831	Lynn	Summer Street	Vitrified Clay Pipe		Local/Rura	Sanitary S	
Upstream MH	Total Length	Year Constructed	Sh	ape	Locatio	n Details	
MH-18811	215		Circ	cular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint		
MH-18831	215		12	12	3		
SPR	SPR MPR		PO Number		Customer		
SPRI	MPRI	-	Work Order Number		City of Lynn		
SPRI	WPRI	Work Order Number			Purpose		
QSR	QMR		Mai		Maintenance Related		
OPR	Surveyed By	Direction	Da	ate	Media label		
	W.Martinez	Downstream	2018	1227	12-27-18		
OPRI	Certificate Number	Pre-Cleaning	Time		Weather		
	U-213-17282	Heavy Cleaning	08:38		Dry - No P		
	End Time		Additional Info				
		09	:50				



Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



### **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Material		Location C	Pipe Use
MH-18811_MH-18831	Lynn	Summer Street	Vitrified (	Clay Pipe	Local/Rura	Sanitary S
Upstream MH	Total Length	Year Constructed	Sha	ape	Location	n Details
MH-18811	215		Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18831	215		12	12	3	
SPR	MPR	PO Number				
SPRI	MPRI			City of Lynn		
SPRI	IMPRI	Work Order Numb	er	Purpose		
QSR	QMR			M	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	Date Media label		a label
	W.Martinez	Downstream	2018	1227	12-2	27-18
OPRI	Certificate Number	Pre-Cleaning	Tir	Time		
	U-213-17282	Heavy Cleaning	08:	:38	Dry - No P	
	Date Cleaned					nal Info
	20181227					

215.0 ft. Access Point Manhole

MH-18831

MH-18831

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# **Project Summary**

Project Name	: City of Lyn	n Clean and CCTV WE	12-21-18							
US MH	DS MH	S MH Pipe ID Date Street Material Size Total Insp								
MH-18841	1 MH-19286 MH-18916_MH19286 12/19/2018 Western Avenue Vitrified Clay Pipe 12 233 233									

Pipe Size: 12 Total Ln.: 233 Inspected Ln.: 233

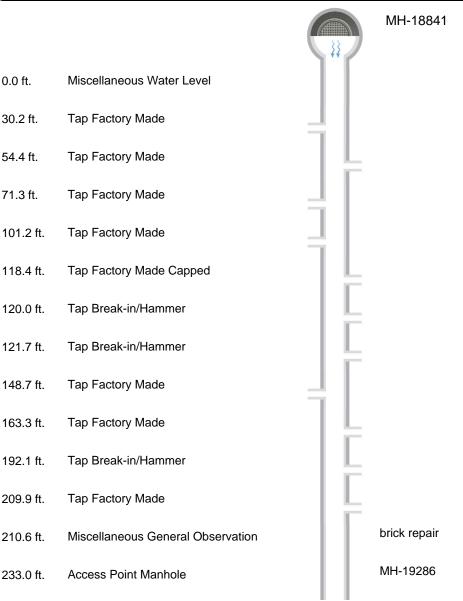
Project Total Ln.: 233.0 Project Inspected Ln.: 233.0



## **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18916_MH19286	LYNN	Western Avenue	Vitrified	Clay Pipe	Local/Rura	Combined P.
Upstream MH	Total Length	Year Constructed	Sh	ape Location		n Details
MH-18841	233		Circular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-19286	233		12	12	13	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	1			City of Lynn	
SFRI	IVIFKI	Work Order Number	er		Purpose	
QSR	QMR			Ma	aintenance Rel	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1219	12-	19-18
OPRI	Certificate Number	Pre-Cleaning	Ti	Time		
U-213-17282		Heavy Cleaning	13:29		Dry - No P	
	Date Cleaned		End	Time	Additional Info	
			13	:43		_





# **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18916_MH19286	LYNN	Western Avenue	Vitrified	Clay Pipe	Local/Rura	Combined P.
Upstream MH	Total Length	Year Constructed	Sh	ape	Locatio	n Details
MH-18841	233		Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-19286	233		12	12	13	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	-			City of Lynn	
SPRI	IMPRI	Work Order Number	er		Purpose	
QSR	QMR			М	aintenance Rela	ated
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1219	12-1	19-18
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather	
	U-213-17282		13	:29	Dry - No P	
	Date Cleaned	•	End	Time	Additio	nal Info
			13	:43		



MH-19286

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# **Project Summary**

Project Name	: City of Lyn	n Clean and CCTV WE	12-21-18							
US MH	DS MH	S MH Pipe ID Date Street Material Size Total Insp								
MH-18841	MH-19351 MH18841_MH-19351 12/19/2018 Western Avenue PolyVinyl Chloride 15 177 177									

Pipe Size: 15 Total Ln.: 177 Inspected Ln.: 177

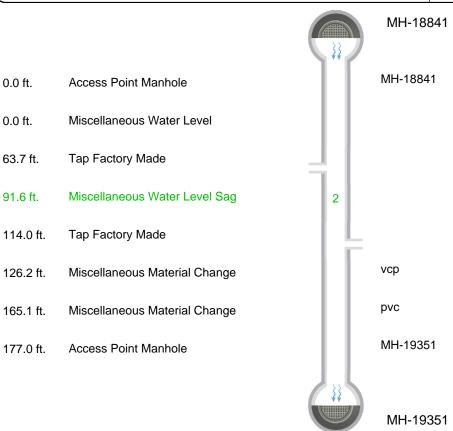
Project Total Ln.: 177.0 Project Inspected Ln.: 177.0



## **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH18841_MH-19351	LYNN	Western Avenue	PolyViny	l Chloride	Local/Rura	Combined P
Upstream MH	Total Length	Year Constructed	Sh	ape	Location	on Details
MH-18841	177		Circ	cular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-19351	177		15	15	13	
SPR	MPR	PO Number			Customer	
SPRI	MPRI	_		City of Lynr		
SPRI	IVIPRI	Work Order Number	er		Purpose	
QSR	QMR			l N	laintenance Rel	ated
OPR	Surveyed By	Direction	Da	ate	Med	ia label
	W.Martinez	Downstream	2018	31219	12-	19-18
OPRI	Certificate Number	Pre-Cleaning	Tir	me	Weather	
	U-213-17282		10	:23	Dry - No P	
	Date Cleaned		End	Time	Additional Info	
	20181219		10	:50		





# **Project Summary**

Project Name	: City of Lyn	n Clean and CCTV WE	12-21-18							
US MH	DS MH	H Pipe ID Date Street Material Size Total Insp								
MH-19286	MH-18841	MH-19286_MH-18841 REV	12/19/2018	Western Avenue	Vitrified Clay Pipe	12	0	137		

Pipe Size: 12 Total Ln.: 0 Inspected Ln.: 137

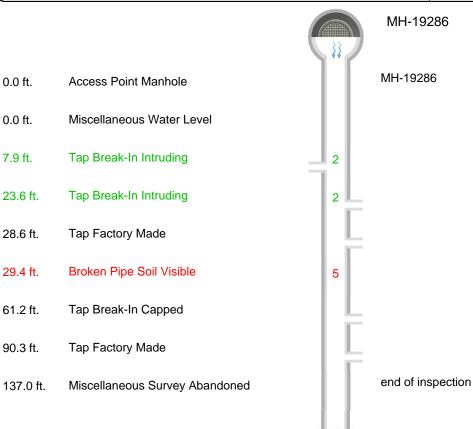
Project Total Ln.: 0.0 Project Inspected Ln.: 137.0



## **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-19286_MH-18841 R	LYNN	Western Avenue	Vitrified (	Clay Pipe	Local/Rura	Combined P
Upstream MH	Total Length	Year Constructed	Sha	ape	Location [	
MH-19286	N/A		Circular			
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18841	137		12	12	13	
SPR	MPR	PO Number			Customer	
SPRI	MPRI				City of Lynn	
SFRI	MPKI	Work Order Numbe	er		Purpose	
QSR	QMR			Ma	aintenance Related	
OPR	Surveyed By	Direction	Da	ate	Medi	a label
	W.Martinez	Downstream	2018	1219	12-	19-18
OPRI	Certificate Number	Pre-Cleaning	Tiı	me	Weather	
U-213-17282		Heavy Cleaning	13	:52	Dry - No P	
	Date Cleaned		End	Time	Additional Info	
	20181219		13	:58		





# **Project Summary**

Project Name	: City of Lyn	n Clean and CCTV WE	12-21-18									
US MH	DS MH	MH Pipe ID Date Street Material Size Total Insp										
MH-19286	MH-18841	8841 MH-18841_MH-19286 12/19/2018 Western Avenue PolyVinyl Chloride 12 251 114										

Pipe Size: 12 Total Ln.: 251 Inspected Ln.: 114

Project Total Ln.: 251.0 Project Inspected Ln.: 114.0

Inland Waters inc 275 Scituate Ave Johnston Rhode Island 02919



## **Defect Listing Plot**

401-943-5302

Pipe Segment Refere	City	Street	Mat	erial	Location C	Pipe Use
MH-18841_MH-19286	LYNN	Western Avenue	PolyViny	l Chloride	Local/Rura	Combined P.
Upstream MH	Total Length	Year Constructed	Sh	ape	Locatio	n Details
MH-19286	251		Circ	ular		
Downsstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-18841	114		12	12	13	
SPR	MPR	PO Number			Customer	
CDDI	MDDI	1			City of Lynn	
SPRI	MPRI	Work Order Number	er		Purpose	
QSR	QMR			M	Maintenance Related	
OPR	Surveyed By	Direction	D	ate	Medi	a label
	W.Martinez	Upstream	2018	1219	12-	19-18
OPRI	Certificate Number	Pre-Cleaning	Ti	me	Weather	
U-213-17282		Heavy Cleaning	10	:10	Dry - No P	
	Date Cleaned	-	End Time		Additio	onal Info
			10	:18		

0.0 ft. Access Point Manhole
0.0 ft. Miscellaneous Water Level
3.5 ft. Miscellaneous Material Change
60.8 ft. Roots Fine Joint
114.0 ft. Obstruction Wedged In The Joint
114.0 ft. Miscellaneous Survey Abandoned

MH-18841

MH-18841

cement

1

4

cannot get by obstacle



# **Project Summary**

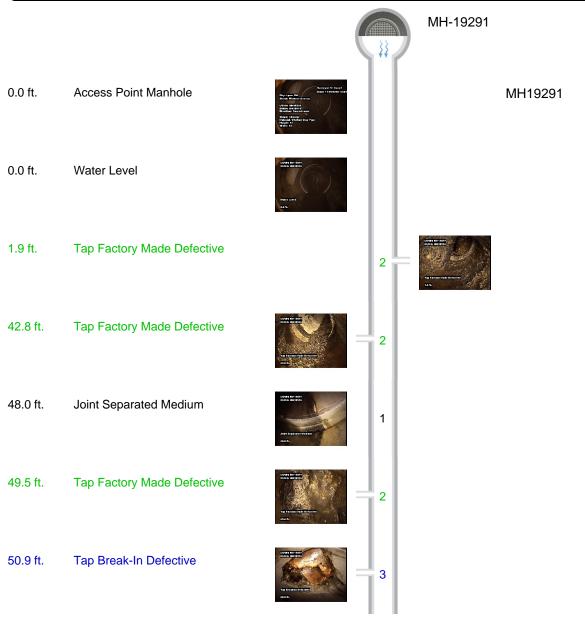
Project Name	Project Name: Lynn Water - Sewer Commission CCTV WE 11-23-18										
US MH	DS MH	DS MH Pipe ID Date Street Material Size Total Insp									
MH-19291	MH-19291 TTMH-9216 MH-19291_TTMH-9216 11/19/2018 Western Avenue Vitrified Clay Pipe 12 107 107										

Pipe Size: 12 Total Ln.: 107 Inspected Ln.: 107

Project Total Ln.: 107.0 Project Inspected Ln.: 107.0



Dia - C		_		Otes et	N.4-	(= a!=1	1 4: 0	0
Pipe Segme			ity	Street		terial	Location C	Sewer Use
MH-19291_	TTMH-9216	Lynn	ı- MA	Western Avenue	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total I	Length	Year Laid	Sh	ape	Locatio	n Details
MH-1	9291	10	07		Circ	cular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
ТТМН	-9216	10	07		12	12		
SPR 1		MPR	24	PO Number			Customer	
0001	4	MDDI	0.4	-			Stantec	
SPRI	1	MPRI	2.4	Work Order			Purpose	
QSR	1100	QMR	3426		Ma		laintenance Rela	ated
OF	PR	Surveyed By		Direction	D	ate	Media label	
2	5	M_D	avert	Downstream	20181119		11-1	19-18
OP	PRI	Certificate	e Number	Pre-Cleaning	Ti	me	Weather	
2.	.3	0700	3881	Heavy Cleaning	10	:38	Light Rain	
	Date Cleaned			End	End Time		Additional Info	
	20181119				10	:52		





Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-19291_	TTMH-9216	Lynn	n- MA	Western Avenue	Vitrified (	Clay Pipe	Light High	Combined
Upstrea	am MH	Total I	Length	Year Laid	Sha	ape	Location	Details
MH-1	9291	10	07		Circ	ular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
ТТМН	-9216	10	07		12	12		
SPR	SPR 1		24	PO Number			Customer	
CDDI	SPRI 1		2.4	1			Stantec	
SPRI	Į.	MPRI	2.4	Work Order			Purpose	
QSR	1100	QMR	3426			Maintenance Related		ited
OF	PR	Surve	yed By	Direction	Date		Media label	
2	5	M_D	avert	Downstream	2018	31119	19 11-19-	
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	me	Weather	
2.	.3	0700	3881	Heavy Cleaning	10	:38	Light Rain	
	Date Cleaned				End	Time	Additio	nal Info
	20181119			10	:52			
					1		-	



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# **Project Summary**

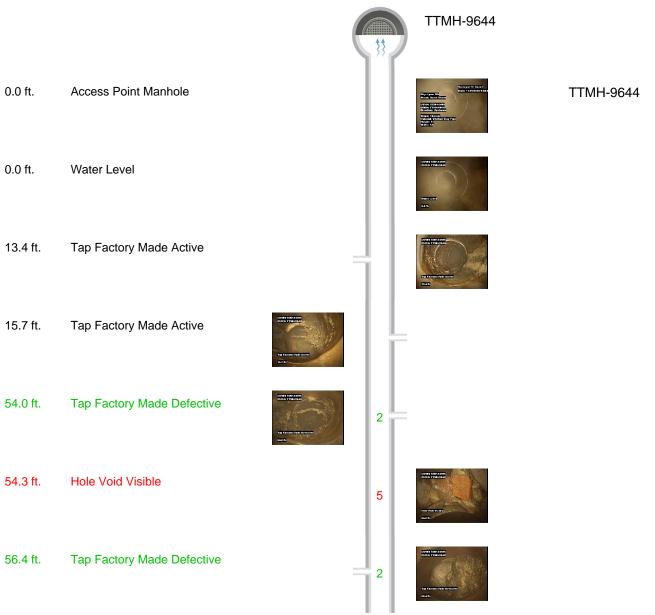
Project Na	Project Name: Lynn Water - Sewer Commission CCTV WE 11-23-18											
US MH	DS MH	MH Pipe ID Date Street Material Size Total Insp										
SGM-444	36 TTMH-9644	TTMH-9644_SGM-444 86	11/19/2018	Western Avenue	Vitrified Clay Pipe	12	260	155				

Pipe Size: 12 Total Ln.: 260 Inspected Ln.: 155

Project Total Ln.: 260.0 Project Inspected Ln.: 155.0

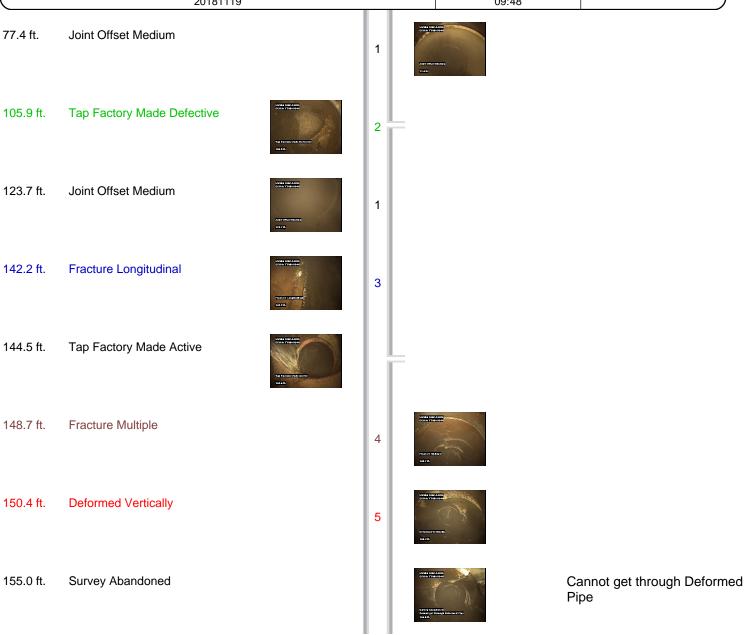


Pipe Segme	ent Refere	Ci	ty	Street	Mat	erial	Location C	Sewer Use
TTMH-9644_	_SGM-44486	Lynn	- MA	Western Avenue	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total L	_ength	Year Laid	Shape		Locatio	n Details
SGM-	44486	26	60		Circ	cular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
TTMH	I-9644	15	55		12	12		
SPR	19	MPR	6	PO Number		Customer		_
SPRI	3.2	MPRI	2	1		Stantec		
SPRI	3.2	IVIPRI		Work Order			Purpose	
QSR	5241	QMR	2300			Ma	aintenance Rela	ated
OI	PR	Survey	ed By	Direction	Da	ate	Media	a label
2	5	M_Da	avert	Upstream	20181119 1		11-1	9-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	Time Weather		
2	2.8 07003881		Heavy Cleaning	09	09:34 Lig			
		Date C	leaned		End	Time	Additio	nal Info
		2018	1119		09	:48		





Pipe Segme	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
TTMH-9644 <sub>-</sub>	_SGM-44486	Lynn	- MA	Western Avenue	Vitrified (	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	_ength	Year Laid	Sha	ape	Location Details	
SGM-	44486	26	60		Circ	ular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
TTMH	I-9644	15	55		12	12		
SPR	19	MPR	6	PO Number		Customer		
SPRI	3.2	MPRI	2			Stantec		
SPRI	3.2	IVIPRI		Work Order			Purpose	
QSR	5241	QMR	2300			Ma	aintenance Rela	ated
OI	PR	Surve	yed By	Direction	Da	ate	Media	a label
2	5	M_Da	avert	Upstream	2018	1119	11-1	9-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	Time Weather		
2	2.8 07003881		3881	Heavy Cleaning	09:	:34	Light Rain	
	Date Cleaned				End	Time	Additio	nal Info
	20181119				09:	:48		
*								





Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
TTMH-9644 <sub>-</sub>	_SGM-44486	Lynn	n- MA	Western Avenue	Vitrified (	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Shape		Location	Details
SGM-	44486	26	60		Circ	ular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
TTMH	I-9644	15	55		12	12		
SPR	19	MPR	6	PO Number		Customer		
SPRI	3.2	MPRI	2	-		Stantec		
SPRI	3.2	WPKI		Work Order			Purpose	
QSR	5241	QMR	2300			Ma	intenance Rela	ited
OI	PR	Surve	yed By	Direction	Da	ate	Media	alabel
2	5	M_D	avert	Upstream	2018	1119	11-1	9-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	me	Weather	
2	2.8 07003881		Heavy Cleaning	09:	:34	Light Rain		
	Date Cleaned			•	End	Time	Additio	nal Info
		2018	31119		09:	:48		





# **Project Summary**

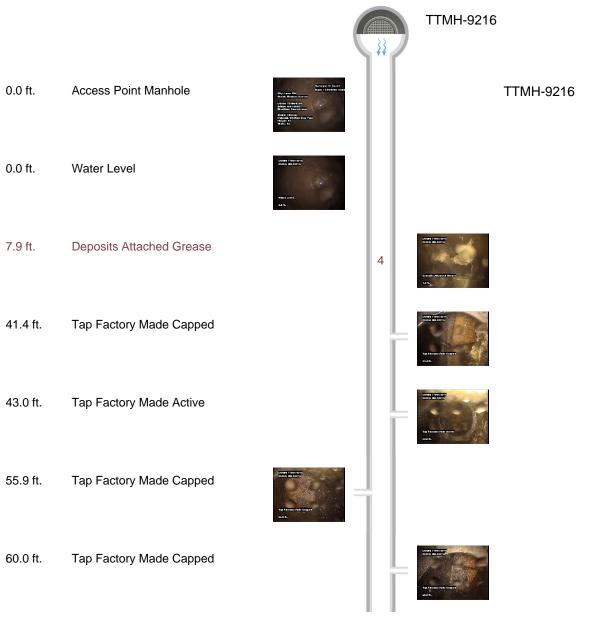
Project Name	Expnn Water - Sewer Commission CCTV WE 11-23-18										
US MH	DS MH	MH Pipe ID Date Street Material Size Total Ins									
TTMH-9216	MH-18916	TTMH-9216_MH-18916	11/19/2018	Western Avenue	Vitrified Clay Pipe	12	115	115			

Pipe Size: 12 Total Ln.: 115 Inspected Ln.: 115

Project Total Ln.: 115.0 Project Inspected Ln.: 115.0

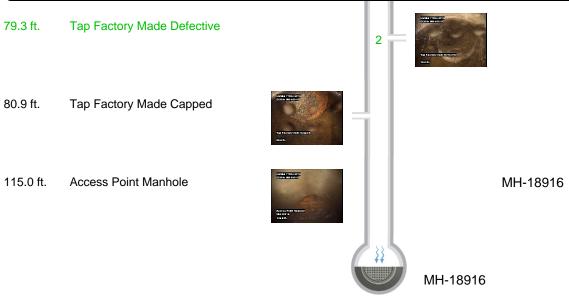


Pipe Segme	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
TTMH-9216	_MH-18916	Lynn	ı- MA	Western Avenue	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	_ength	Year Laid	Shape		Location	Details
TTMH	I-9216	11	15		Circ	cular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8916	11	15		12	12		
SPR	N/A	MPR	6	PO Number			Customer	
SPRI	N/A	MPRI	3	1		Stantec		
SFRI	IN/A	IVIFKI	<u> </u>	Work Order			Purpose	
QSR	N/A	QMR	4121			M	aintenance Rela	ited
OI	PR	Surve	yed By	Direction	Da	ate	Media	alabel
	6	M_Da	avert	Downstream	2018	31119	11-1	9-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	Time Weather		
;	3 07003881		Heavy Cleaning	11	:36	Light Rain		
	Date Cleaned				End	Time	Additio	nal Info
	20181119				11	:49		





Pipe Segme	nt Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
TTMH-9216	_MH-18916	Lynn	n- MA	Western Avenue	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total Length		Year Laid	Sh	ape	Location Details	
TTMH	-9216	1	15		Circ	ular		
DS Ma	inhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8916	1.	15		12	12		
SPR	N/A	MPR	6	PO Number			Customer	
SPRI	N/A	MPRI	3	-		Stantec		
SPRI	IN/A	IVIPRI	<u> </u>	Work Order			Purpose	
QSR	N/A	QMR	4121			Ma	aintenance Rela	ated
OF	PR	Surve	yed By	Direction	Da	ate	Media	a label
6	;	M_D	avert	Downstream	2018	1119	11-1	9-18
OP	RI	Certificat	e Number	Pre-Cleaning	Tir	Time		
3	3 07003881		Heavy Cleaning	11	:36	Light Rain		
	•	Date C	Cleaned	•	End	Time	Additio	nal Info
		2018	31119		11	:49		



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# **Project Summary**

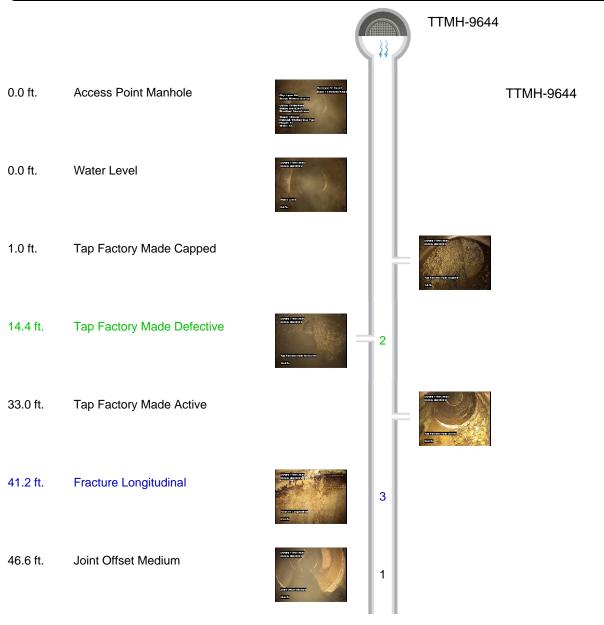
Project Name	ect Name: Lynn Water - Sewer Commission CCTV WE 11-23-18										
US MH	DS MH	MH Pipe ID Date Street Material Size Total In									
TTMH-9644	MH19291	TTMH-9644_MH19291	11/19/2018	Western Avenue	Vitrified Clay Pipe	12	163	163			

Pipe Size: 12 Total Ln.: 163 Inspected Ln.: 163

Project Total Ln.: 163.0 Project Inspected Ln.: 163.0



Dina Caama	nt Defere	0	14.	Street	Ma	terial	Location C	Sewer Use
Pipe Segme			ity					
TTMH-9644	L_MH19291	Lynn	n- MA	Western Avenue	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total I	Length	Year Laid	Sh	ape	Locatio	n Details
TTMH	-9644	9644 163			Circ	cular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH1	MH19291 163		63		12	12		
SPR	4	MPR	11	PO Number			Customer	
CDDI	0	MDDI	0.0			Stantec		
SPRI	2	MPRI	2.2	Work Order			Purpose	
QSR	3111	QMR	3124			M	laintenance Rela	ated
OF	PR	Surve	yed By	Direction	D	ate	Medi	a label
1	5	M_D	avert	Downstream	2018	31119 11-19-18		19-18
OF	OPRI Certificate Number		Pre-Cleaning	Time		Weather		
2.	2.1 07003881		Jetting	09:56		Light Rain		
	•	Date C	Cleaned	•	End Time Additi		Additio	onal Info
		2018	31119		10	:33		





Pipe Segme	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
TTMH-9644	1_MH19291	Lynn	n- MA	Western Avenue	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	Length	Year Laid	Sh	ape	Location	n Details
TTMH	I-9644	16	63		Circ	cular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH1	9291	10	63		12	12		
SPR	4	MPR	11	PO Number		Customer		
SPRI	2	MPRI	2.2	1		Stantec		
SPRI		IVIFKI	2.2	Work Order			Purpose	
QSR	3111	QMR	3124			Ma	aintenance Rela	ated
OI	PR	Surve	yed By	Direction	Da	ate	Media	a label
1	5	M_D	avert	Downstream	2018	81119 11-19-1		9-18
OF	OPRI Certificate Number		Pre-Cleaning	Tir	Time Weather			
2	2.1 07003881		Jetting	09	:56	Light Rain		
		Date C	leaned		End	Time	Additio	nal Info
	20181119				10	:33		





401-265-3221

Pipe Segme	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
TTMH-9644	L_MH19291	Lynn	ı- MA	Western Avenue	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total L	_ength	Year Laid	Sh	ape	Location	n Details
TTMH	-9644	163			Circ	ular		
DS Ma	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH1	9291	16	63		12	12		
SPR	4	MPR	11	PO Number		Customer		
SPRI	2	MPRI	2.2	-		Stante		
SPRI	2	IVIPRI	2.2	Work Order			Purpose	
QSR	3111	QMR	3124			Ma	intenance Rela	ated
OF	PR	Survey	yed By	Direction	Da	ate	Media	a label
1	5	M_Da	avert	Downstream	2018	1119	11-1	9-18
OF	PRI	Certificate	e Number	Pre-Cleaning	Tir	Time Weather		
2.	2.1 07003881		Jetting	09	:56	Light Rain		
	Date Cleaned				End	Time	Additio	nal Info
	20181119				10	:33		_

163.0 ft. Access Point Manhole



MH19291

MH19291



# **Project Summary**

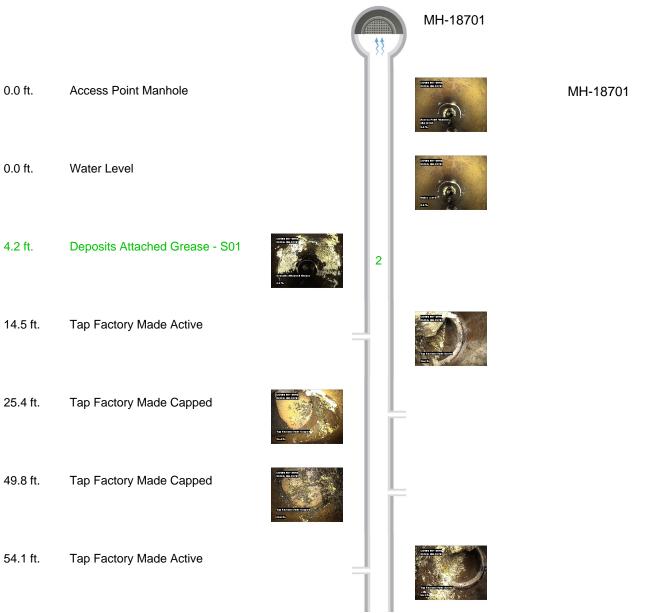
Project Name	: Lynn Wate	Lynn Water - Sewer Commission CCTV WE 10-12-18										
US MH	DS MH	MH Pipe ID Date Street Material Size Total Insp										
MH18696	MH-18701	MH-18701_MH18696	10/11/2018	Witt Street	Vitrified Clay Pipe	8	124	124				

Pipe Size: 8 Total Ln.: 124 Inspected Ln.: 124

Project Total Ln.: 124.0 Project Inspected Ln.: 124.0

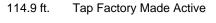


Pipe Segm	ent Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18701	_MH18696	Lynr	n- Ma	Witt Street	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total	Length	Year Laid	Shape		Location	n Details
MH1	8696	1:	24		Circ	ular	ılar	
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8701	1:	24		8	8		
SPR	5	MPR	42	PO Number			Customer	
SPRI	5	MPRI	2			Stantec		
SPRI	<b>5</b>	IVIPRI		Work Order			Purpose	
QSR	5100	QMR	2C00			M	laintenance Rela	nted
0	PR	Surve	yed By	Direction	Da	ate	Media	a label
4	7	Chri	is_M	Upstream	20181011		10-11-18	
Ol	PRI	Certificat	e Number	Pre-Cleaning	Tir	Time Weather		
2	2.1 10-08-7625		Jetting	10:15		Damp		
		Date C	Cleaned		End	Time	Additio	nal Info
	20181011				10	:23		



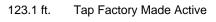


1310110 02913	Johnston Knode						RVICES	PIPELINE * SERV	
101-265-322	4		mages	ct Listing Plot with I	Defe				
Sewer Use	Location C	erial	Mate	Street	ity	Ci	ment Refere	Pipe Segm	
Combined	Light High	Clay Pipe	Vitrified (	Witt Street	n- Ma	Lynn	01_MH18696	MH-1870	
Details	Location	ipe	Sha	Year Laid	_ength	Total L	ream MH	Upstr	
		ular	Circ		24	12	118696	MH	
	Pipe Joint	Width	Height	Year Renewed	surveyed	Length s	Manhole	DS N	
			8		24	12	I-18701	MH-	
	Customer			PO Number		MPR	5	SPR	
	Stantec				2	MPRI	5	SPRI	
	Purpose			Work Order		5100 QMR 2C00			
	aintenance Rela							QSR	
	Media		Da	Direction		OPR Surveyed By			
1-18	10-1		2018	Upstream		47 Chris_M			
	Weather		Tir	Pre-Cleaning		OPRI Certificate Number			
	Damp		10:	Jetting		2.1 10-08-7625			
iai into	Additio		End 10:			Date Cleaned 20181011			
							Tap Factory M  Tap Factory M		
						ade Capped	Tap Factory M	5.7 ft.	
				2	F01	hed Grease -	Deposits Attac	10.9 ft.	



















401-265-3221

Pipe Segme	nt Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
MH-18701 <sub>-</sub>	_MH18696	Lynr	n- Ma	Witt Street	Vitrified	Clay Pipe	Light High	Combined
Upstrea	am MH	Total I	_ength	Year Laid	Sh	ape	e Location Details	
MH18	3696	12	24		Circ	:ular		
DS Ma	inhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH-1	8701	12	24		8	8		
SPR	5	MPR	42	PO Number			Customer	
CDDI		MDDI					Stantec	
SPRI	5	MPRI	2	Work Order			Purpose	
QSR	5100	QMR	2C00			M	aintenance Rela	ated
OF	PR	Surve	yed By	Direction	D	ate	Media	a label
4	7	Chri	s_M	Upstream	2018	31011	10-1	1-18
OP	RI	Certificate	e Number	Pre-Cleaning	Ti	ime Weather		
2.	2.1 10-08-7625		Jetting	10:15		Damp		
	Date Cleaned				End	Time	Additional Info	
	20181011				10	:23		

124.0 ft. Access Point Manhole



MH18696



# **Project Summary**

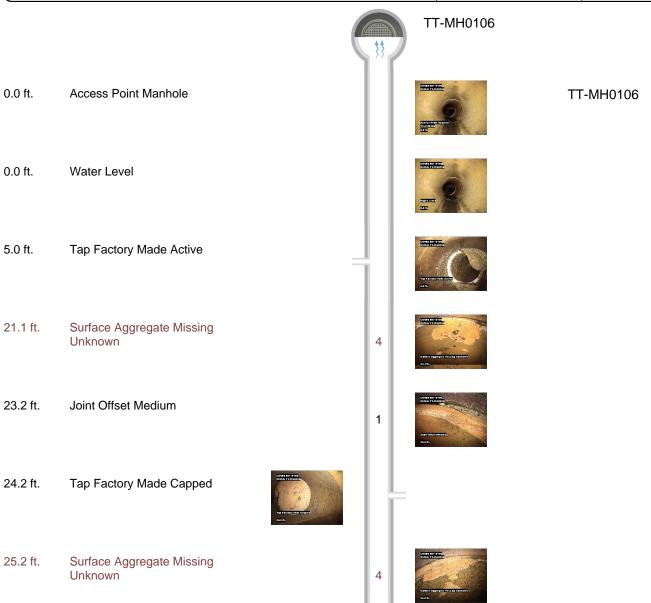
Project Name	: Lynn Wate	Lynn Water - Sewer Commission CCTV WE 10-12-18									
US MH	DS MH	MH Pipe ID Date Street Material Size Total Insp									
MH18706	TT-MH0106	TT-MH0106_MH18701	10/11/2018	Witt Street	Vitrified Clay Pipe	8	130	130			

Pipe Size: 8 Total Ln.: 130 Inspected Ln.: 130

Project Total Ln.: 130.0 Project Inspected Ln.: 130.0



Pipe Segm	ent Refere	Ci	ty	Street	Mat	erial	Location C	Sewer Use
TT-MH010	6_MH18701	Lynn	ı- Ma	Witt Street	Vitrified (	Clay Pipe	Light High	Combined
Upstre	eam MH	Total L	ength	Year Laid	Shape		Location Details	
MH <sup>2</sup>	18706	13	30		Circular			
DS M	lanhole	Length s	urveyed	Year Renewed	Height	Width	Pipe Joint	
TT-M	IH0106	13	30		8	8		
SPR	26	MPR	N/A	PO Number			Customer	
SPRI	2.9	MPRI	N/A			Stantec		
SPRI	2.9	IVIFKI	IN/A	Work Order			Purpose	
QSR	5243	QMR	N/A			Ma	aintenance Rela	ated
C	PR	Survey	ed By	Direction	Da	ate	Media label	
:	26	Chri	s_M	Upstream	20181011		10-1	1-18
0	PRI	PRI Certificate Number		Pre-Cleaning	Time		Weather	
2	2.9 10-08-7625		Jetting	09:53		Damp		
	Date Cleaned			•	End	Time	Additio	nal Info
	20181011				10	:06		



Location C...



Pipe Segment Refere...

City

# Defect Listing Plot with Images Street

Material

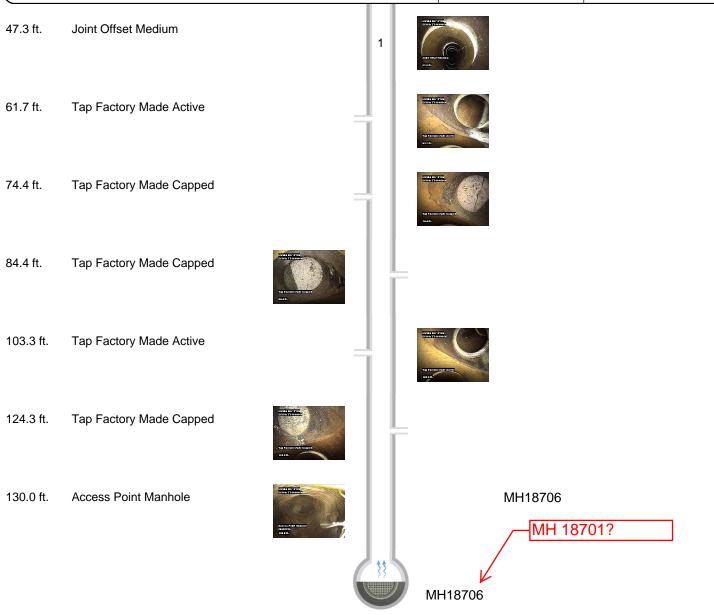
401-265-3221

Sewer Use

TT-MH0	0106_MH18701			Witt S	Street			Clay Pipe	Light High	Combined
ı	stream MH			Year	Laid			ape	Location	Details
	H18706	13						ular		
	S Manhole	Length s		Year Re	enewed	d	Height	Width	Pipe Joint	
	-MH0106	13	30				8	8		
SPR	26	MPR	N/A		PO	Number			Customer	)
SPRI	2.9	MPRI	N/A		\/\or	·k Ordor			Stantec Purpose	
QSR	5243	QMR	N/A	Work Order				Ma	ruipose aintenance Rela	ted
	OPR	Survey		Direc	ction		Da	ate		a label
	26	Chri		Upsti			2018		10-1	
	OPRI	Certificate		Pre-Cle			Tiı		Weather	
	2.9	10-08		Jett	ing			:53	Damp	
		Date C						Time	Additio	nal Info
		2018	1011				10	:06		
26.3 ft. 26.6 ft.	Tap Factory M			Social married						
28.1 ft.	Tap Factory Made Capped				4					
28.3 ft.	Broken Pipe S	oil Visible			5	Grade State of Control	MILE SANS			
29.4 ft.	Broken Pipe V	oid Visible			5	Constant of the Constant of th				
34.5 ft.	Tap Factory M	ade Capped				Sanda (	And Canada			
35.5 ft.	Crack Circumf	erential			1	Contact State of Contac	mir.			
39.3 ft.	Joint Offset Medium				1	Other Title Other Title And Other is				



Pipe Segm	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
TT-MH010	6_MH18701	Lynn	ı- Ma	Witt Street	Vitrified (	Clay Pipe	Light High	Combined
Upstre	eam MH	Total L	_ength	Year Laid	Sh	ape	Location	n Details
MH <sup>2</sup>	18706	13	30		Circular			
DS M	lanhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
TT-M	H0106	13	30		8	8		
SPR	26	MPR	N/A	PO Number		Customer		
SPRI	2.9	MPRI	N/A			Stantec		
SPRI	2.9	IVIPRI	IN/A	Work Order			Purpose	
QSR	5243	QMR	N/A			M	aintenance Rela	ated
0	PR	Survey	ed By	Direction	Da	ate	Media label	
	26	Chri	s_M	Upstream	20181011		10-1	1-18
0	OPRI Certificate Number		Pre-Cleaning	Time		Weather		
2	2.9 10-08-7625		Jetting	09:53		Damp		
	Date Cleaned			•	End	Time	Additio	nal Info
	20181011				10	:06		





# **Project Summary**

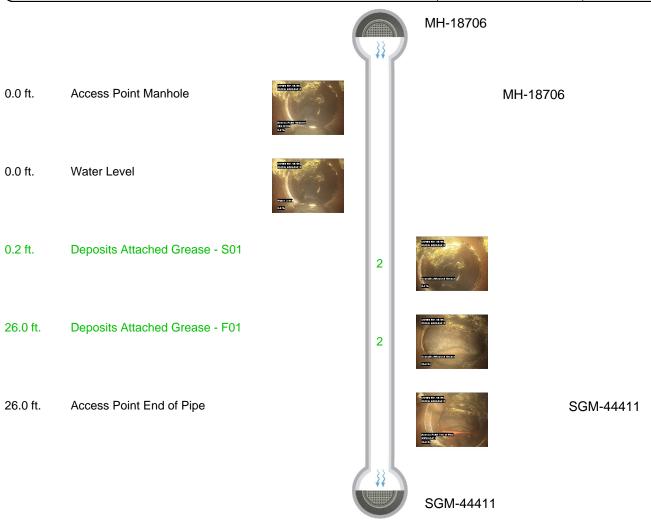
I	Project Name	: Lynn Wate	ynn Water - Sewer Commission CCTV WE 10-12-18										
Ī	US MH	DS MH	H Pipe ID Date Street Material Size Total Insp										
	MH-18706	SGM-44411	MH-18706_SGM-4441 1	10/11/2018	Witt Street	Vitrified Clay Pipe	8	26	26				

Pipe Size: 8 Total Ln.: 26 Inspected Ln.: 26

Project Total Ln.: 26.0 Project Inspected Ln.: 26.0



Pipe Segme	ent Refere	Ci	ty	Street	Mat	erial	Location C	Sewer Use
MH-18706_	SGM-44411	Lynn	ı- Ma	Witt Street	Vitrified (	Clay Pipe	Light High	Combined
Upstrea	am MH	Total L	_ength	Year Laid	Sha	ape	Locatio	n Details
MH-1	8706	2	6		Circular			
DS Ma	anhole	Length s	urveyed	Year Renewed	Height	Width	Pipe Joint	
SGM-	SGM-44411		6		8	8		
SPR	N/A	MPR	10	PO Number		Customer		
SPRI	N/A	MPRI	2				Stantec	
SPRI	IN/A	IVIPRI	2	Work Order			Purpose	
QSR	N/A	QMR	2500			Ma	laintenance Related	
OF	PR	Survey	ed By	Direction	Da	Date Media label		a label
1	0	Chri	s_M	Downstream	20181011		10-11-18	
OF	OPRI Certificate Number		Pre-Cleaning	Time		Weather		
2	2 10-08-7625		Jetting	11:43		Damp		
		Date C	leaned		End	Time	Additio	nal Info
		2018	1011		11	:48		





# **Project Summary**

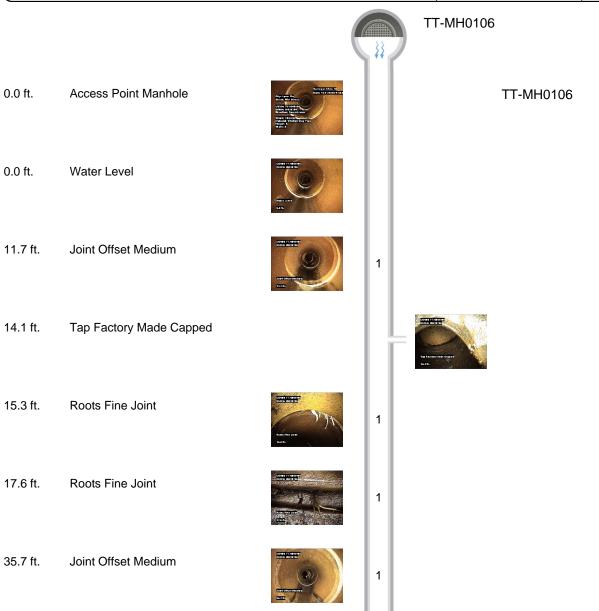
Project Name	Project Name: Lynn Water - Sewer Commission CCTV WE 10-12-18											
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp				
TT-MH0106	MH18706	TT-MH0106_MH18706	10/11/2018	Witt Street	Vitrified Clay Pipe	8	215	215				

Pipe Size: 8 Total Ln.: 215 Inspected Ln.: 215

Project Total Ln.: 215.0 Project Inspected Ln.: 215.0

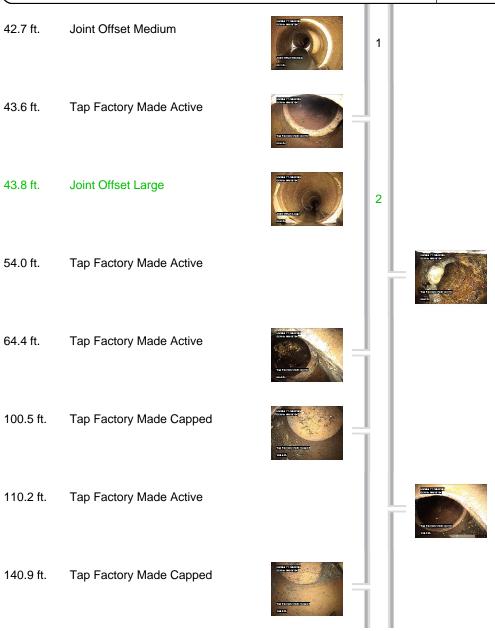


Pipe Segme	ent Refere	Ci	ity	Street	Mat	erial	Location C	Sewer Use
TT-MH0106	6_MH18706	Lynn	n- Ma	Witt Street	Vitrified	Clay Pipe	Light High	Combined
Upstre	am MH	Total I	_ength	Year Laid	Sh	ape	Locatio	n Details
TT-MI	<del>1</del> 0106	21	15		Circu			
DS M	anhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH1	8706	21	15		8	8		
SPR	6	MPR	2	PO Number		Customer		
SPRI	1.2	MPRI	1				Stantec	
SPRI	1.2	WPRI	I	Work Order			Purpose	
QSR	2114	QMR	1200			Ma	aintenance Related	
Ol	PR	Surve	yed By	Direction	Da	Date Media labe		a label
	3	Chri	s_M	Downstream	20181011		10-11-18	
OF	OPRI Certificate Number		Pre-Cleaning	Time		Weather		
1	1.1 10-08-7625		-7625	Jetting	09:30		Damp	
		Date C	leaned	•	End	Time	Additio	nal Info
	20181011				09	:46		





Pipe Segme	nt Refere	С	ity	Street	Mat	erial	Location C	Sewer Use
TT-MH0106	_MH18706	Lynr	n- Ma	Witt Street	Vitrified	Clay Pipe	Light High	Combined
Upstrea	ım MH	Total I	Length	Year Laid	Shape		Location	n Details
TT-MH	l0106	2	15		Circ	cular		
DS Ma	nhole	Length s	surveyed	Year Renewed	Height	Width	Pipe Joint	
MH18	3706	2	15		8	8		
SPR	6	MPR	2	PO Number		Customer		
SPRI	4.0	MPRI			Stanted		Stantec	
SPRI	1.2	IVIPRI	<u> </u>	Work Order			Purpose	
QSR	2114	QMR	1200			M	aintenance Rela	nted
OF	'R	Surve	yed By	Direction	Da	ate	Media	a label
8		Chri	is_M	Downstream	20181011		10-11-18	
OP	RI	Certificat	e Number	Pre-Cleaning	Time		Weather	
1.	1.1 10-08-7625		Jetting	09:30		Damp		
	Date Cleaned				End	Time	Additio	nal Info
		2018	31011		09	:46		





City	Street	Material		Location C	Sewer Use	
Lynn- Ma	Witt Street	Vitrified Clay Pipe		Light High	Combined	
Total Length	Year Laid	Shape		Location Details		
215		Circular				
Length surveyed	Year Renewed	Height	Width	Pipe Joint		
215		8	8			
MPR 2	PO Number  Work Order		Customer			
MDDI 1				Stantec		
IMPRI I			Purpose			
QMR 1200		Maintenance Related				
Surveyed By	Direction	Date		Media label		
Chris_M	Downstream	20181011		10-11-18		
Certificate Number	Pre-Cleaning	Time		Weather		
10-08-7625	Jetting	09:30		Damp		
Date Cleaned		End Time		Additional Info		
20181011		09:46				
	Lynn- Ma  Total Length 215  Length surveyed 215  MPR 2  MPRI 1  QMR 1200  Surveyed By Chris_M  Certificate Number 10-08-7625 Date Cleaned	Lynn- Ma         Witt Street           Total Length         Year Laid           215         Year Renewed           Length surveyed         Year Renewed           215         PO Number           MPR         2           MPRI         1           QMR         1200           Surveyed By         Direction           Chris_M         Downstream           Certificate Number         Pre-Cleaning           10-08-7625         Jetting           Date Cleaned	Lynn- Ma         Witt Street         Vitrified (           Total Length         Year Laid         Shade (           215         Circ           Length surveyed         Year Renewed         Height           215         8           MPR         2         PO Number           MPRI         1         Work Order           QMR         1200         Direction         Deadle (           Surveyed By         Direction         Downstream         2018           Certificate Number         Pre-Cleaning         Tir           10-08-7625         Jetting         09:           Date Cleaned         End**	Lynn- Ma         Witt Street         Vitrified Clay Pipe           Total Length         Year Laid         Shape           215         Circular           Length surveyed         Year Renewed         Height         Width           215         Work Order         Work Order         Work Order         MR           MPRI         1         Work Order         MR         MR           QMR         1200         Date         Date         Contact Number         Pre-Cleaning         Time           Chris_M         Downstream         20181011         Time         10-08-7625         Jetting         09:30           Date Cleaned         End Time         End Time         Date         Date         Date	Lynn- Ma         Witt Street         Vitrified Clay Pipe         Light High           Total Length         Year Laid         Shape         Location           215         Circular         Year Renewed         Height         Width         Pipe Joint           Length surveyed         Year Renewed         Height         Width         Pipe Joint           215         PO Number         Customer         Stantec           MPRI         1         Work Order         Purpose           QMR         1200         Maintenance Rela           Surveyed By         Direction         Date         Media           Chris_M         Downstream         20181011         10-1           Certificate Number         Pre-Cleaning         Time         Weather           10-08-7625         Jetting         09:30         Damp           Date Cleaned         End Time         Addition	

